

Equipment Price List

January 2019



CONFIDENTIAL

Prices effective 1/1/2019

Supersedes all previous price lists — Prices subject to change without notice

SUBSITE ELECTRONICS

- **GUIDANCE SYSTEMS**
- **LOCATORS**

Changes since the December 1, 2018 price list:

Effective January 1, 2019

Removed:

102-2563 Commander 7, SV, Global

**SUGGESTED PRICE LIST
(F.O.B. PERRY, OKLAHOMA)**

Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
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TK RECON Guidance System

The TK RECON system is a guidance system for tracking horizontal directional bores. The system is comprised of a tracker, drill rig display and beacon. The TK RECON system provides many new and enhanced features and offers the choice of (3) trackers (a single frequency, a two frequency and a four frequency tracker), (2) displays (one display is mounted in-the-console and one display mounted remotely), and multiple beacon options including the 86, 15T, 17T, 19T and 88B series. The RECON ISM Telemetry Radio provides increased communication distance and speed, but The TK RECON system will not be backwards compatible with the existing TK series, so the current TK Series trackers and displays will continue to be offered, for those customers who have that need or preference.

Trackers detect one, two or four of the following beacon frequencies depending on the model: 1.5 kHz, 12 kHz, 20 kHz and 29 kHz frequency.

Displays communicate with trackers by telemetry radios. Telemetry radios are country specific in order to adhere to specific country regulations.

Beacons generate one of four frequencies depending on the model, frequencies include 1.5 kHz, 12 kHz, 20 kHz and 29 kHz. Beacons with more than one frequency communicates with the Tracker by Bluetooth® in order to configure frequency and power level.

TK RECON4

The tracker detects 1.5 kHz, 12 kHz, 20 kHz and 29 kHz beacon frequencies and may utilize an ISM telemetry radio to communicate to the rig display, the ISM radio frequency is country specific. See corresponding part numbers below. Each Tracker comes standard with an alkaline and Li-Ion battery trays, batteries, charger and operators manual. Selectable options include, the choice between Hard Case, carry bag or nothing and between large, small or no stand. Separately, select a corresponding, country specific TD RECON or TDR RECON display.

102-1610	TK RECON4, No Radio	\$12,624.71	H
102-1604	TK RECON4, Australia Radio	\$14,746.51	H
	approved countries are: Australia and New Zealand		
102-1606	TK RECON4, Europe Radio	\$14,746.51	H
	approved countries are: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovak Republic, Slovenia, Spain, Sweden Switzerland, Turkey, United Kingdom		
102-1609	TK RECON4, Global Radio	\$14,746.51	H
	approved countries are: Israel		
102-1608	TK RECON4, North America Radio	\$14,746.51	H
	approved countries are: Canada, Columbia, Mexico, Peru, United States, Venezuela		
102-1635	TK RECON4, India Radio	\$14,746.51	H
	approved countries are: India and UAE		
102-1714	TK RECON4, JAPAN RADIO	\$14,746.51	H
	approved countries are: Japan		

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Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
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TK RECON2

The tracker detects 12 kHz and 29 kHz beacon frequencies and may utilize an ISM telemetry radio to communicate to the rig display, the ISM radio frequency is country specific. See corresponding part numbers below. Each Tracker comes standard with an alkaline and Li-Ion battery trays, batteries, charger and operators manual. Selectable options include, the choice between Hard Case, carry bag or nothing and between large, small or no stand. Separately, select a corresponding, country specific TD RECON or TDR RECON display.

102-1601	TK RECON2, No Radio	\$9,229.83	H
102-1596	TK RECON2, Australia Radio	\$10,821.18	H
	approved countries are: Australia and New Zealand		
102-1598	TK RECON2, Europe Radio	\$10,821.18	H
	approved countries are: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Russia Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey, United Kingdom		
102-1603	TK RECON2, North America Radio	\$10,821.18	H
	approved countries are: Canada, Columbia, Mexico, Peru, United States, Venezuela		
102-1634	TK RECON2, India Radio	\$10,821.18	H
	approved countries are: India and UAE		
102-1713	TK RECON2, JAPAN RADIO	\$10,821.18	H
	approved countries are: Japan		

TK RECON1

The tracker detects a single 29 kHz beacon frequency and may utilize an ISM telemetry radio to communicate to the rig display, the ISM radio frequency is country specific. See corresponding part numbers below. Each Tracker comes standard with an alkaline battery tray, alkaline batteries and operators manual. Selectable options include, the choice between Hard Case, carry bag or nothing, between large, small or no stand or add the option to include the Li-Ion battery, tray and charging system. Separately, select a corresponding, country specific TD RECON or TDR RECON display.

102-1593	TK RECON1, No Radio	\$8,275.02	H
102-1589	TK RECON1, Australia Radio	\$9,707.24	H
	approved countries are: Australia and New Zealand		
102-1591	TK RECON1, Europe Radio	\$9,707.24	H
	approved countries are: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovak Republic, Slovenia, Spain, Sweden Switzerland, Turkey, United Kingdom, Russia		
102-1595	TK RECON1, North America Radio	\$9,707.24	H
	approved countries are: Canada, Columbia, Mexico, Peru, United States, Venezuela		
102-1633	TK RECON1, India Radio	\$9,707.24	H
	approved countries are: India and UAE		
102-1712	TK RECON1, JAPAN RADIO	\$9,707.24	H
	approved countries are: Japan		

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PART NO.	DESCRIPTION	MSRP (USD)
TK Recon Tracker to TK Recon Tracker Upgrade Kits The trackers can be upgraded to TK Recon 2 or TK Recon 4 trackers. Price includes decals, software and hardware. The upgrades are performed by the Subsite Electronics® Service and Repair department at the factory. A service labor charge is applied in addition to the upgrade kit. Additional repairs and labor may be required and will be charged separately.		
220-2751	RECON1 TO RECON2 UPGRADE	\$2,034.25 B
220-2752	RECON1 TO RECON4 UPGRADE	\$6,360.25 B
220-2753	RECON2 TO RECON4 UPGRADE	\$4,892.50 B
	1 hour Service Labor charge applied in addition to the upgrade kit	
Commander™ 7 Display The Commander™ 7 is used exclusively with all models of TK Recon tracker and supported beacons. The system leverages the planning capabilities of the Field Scout™ mobile through the built-in ScoutView™ application. The system provides projected depth information and offers both Classic and Advanced Drill-To guidance modes. The display utilizes an ISM radio to communicate to the tracker, radio frequency is country specific. See corresponding part numbers below. The display has internal data storage capabilities and works with TMS Plus and TSR software. The system includes all necessary cabling and antenna, display assembly, dash assembly hard case and operators manual.		
102-2554	Commander 7, SV,Australia approved countries are: Australia and New Zealand	\$6,750.00 H
102-2556	Commander 7, SV, Europe approved countries are: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Russia Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Switzerland, Turkey, United Kingdom	\$6,750.00 H
102-2565	Commander 7, SV, North America approved countries are: Canada, Columbia, Mexico, Peru, United States, Venezuela	\$6,750.00 H
102-2566	Commander 7, SV, Japan approved countries are: Japan	\$6,750.00 H
102-2558	Commander 7, SV, Sweden approved countries are: Sweden	\$6,750.00 H
102-2559	Commander 7, SV, India approved countries are: India	\$6,750.00 H
102-2560	Commander 7, SV, UAE approved countries are: UAE	\$6,750.00 H
102-2562	Commander 7, SV, Singapore approved countries are: Singapore	\$6,750.00 H
102-2564	Commander 7, SV, Israel approved countries are: Israel	\$6,750.00 H

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PART NO.	DESCRIPTION	MSRP (USD)
Commander™ 7 Parts and Accessories		
240-7210	ScoutView	\$999.00 F
220-2633	COMMANDER 7 DEMONSTRATION KIT	\$356.86 C
222-6720	8 PIN CONNECTOR PLUG, COMMANDER 7	\$17.07 C
222-6721	PLUG SEAL, COMMANDER 7	\$1.37 C
222-3219	LANYARD	\$4.51 C
222-6978	COMMANDER 7 DISPLAY EXTENSION CORD (web)	\$135.00 C
222-6714	HARNESS, COMANDER 7, DEMO	\$212.18 C
222-6615	2.5" MOUNTING MAGNET, 3/8-16	\$120.79 C
220-2770	Commander 7 Mag Mount Kit	\$185.00 C
222-6707	CIRCULAR RAM MOUNT 1.5" WITH 3/8-16 STUD	\$23.61 C
220-2645	COMMANDER 7 MOUNING PLATE, JT5	\$71.38 C
222-6729	JT 20 AND 30 DASH PLATE, COMMANDER 7	\$16.36 C
222-6617	COMMANDER 7 MAGNET COVER	\$9.33 C
222-6620	RAM, DISPLAY ARM, STANDARD	\$21.41 C
222-6719	COMMANDER 7 CARRYING CASE	\$233.40 B
222-6517	ANTENNA, 902-960MHz	\$64.79 C
222-6519	868MHz Antenna	\$64.79 C

TD RECON Display

The display is available as an in-dash mount (TD) or remote mount (TDR). Both styles of the display presents information displayed by the tracker at a distance up to 2000 ft (609.6 m) with the UHF radio. The display utilizes an ISM radio to communicate to the tracker, radio frequency is country specific. See corresponding part numbers below. The display has internal data storage capabilities and works with TMS Plus and TSR software. The TK RECON Display works with all models of TK RECON trackers. Each display comes standard with wiring harnesses and mounting hardware require to install on drill rigs.

102-1611	TD RECON, Australia Radio approved countries are: Australia and New Zealand	\$4,880.14 H
102-1613	TD RECON, Europe Radio approved countries are: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovak Republic, Slovenia, Spain, Sweden Switzerland, Turkey, United Kingdom, Russia	\$4,880.14 H
102-1615	TD RECON, Global Radio approved countries are: Israel	\$4,880.14 H
102-1616	TD RECON, North America Radio approved countries are: Canada, Columbia, Mexico, Peru, United States, Venezuela	\$4,880.14 H
102-1636	TD RECON, India Radio approved countries are: India and UAE	\$4,880.14 H
102-1703	TD RECON, JAPAN approved countries are: Japan	\$4,880.14 H

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PART NO.	DESCRIPTION	MSRP (USD)	
TD RECON Display (Continued)			
102-1617	TDR RECON, Australia Radio approved countries are: Australia and New Zealand	\$5,039.28	H
102-1619	TDR RECON, Europe Radio approved countries are: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovak Republic, Slovenia, Spain, Sweden Switzerland, Turkey, United Kingdom	\$5,039.28	H
102-1622	TDR RECON, North America Radio approved countries are: Canada, Columbia, Mexico, Peru, United States, Venezuela	\$5,039.28	H
102-1637	TDR RECON, India Radio approved countries are: India and UAE	\$5,039.28	H
102-1690	TDR RECON, JAPAN RADIO approved countries are: Japan	\$5,039.28	H
TK Recon Repeater			
The TK Recon Repeater is used exclusively with all models of TK Recon tracker and displays. The system has a lightweight, compact design that is highly durable and is offered as a range extender and a tool to combat line of sight issues found on the HDD jobsite. The TK Recon Repeater leverages a simple to use, single button operation which features more than 50 hours of continuous battery life and the ability to mount to any ¼"-20 accessory.			
102-1681	RECON REPEATER, NORTH AMERICA approved countries are: Canada, Columbia, Mexico, Peru, United States, Venezuela	\$1,500.00	C
102-1682	RECON REPEATER, EUROPE approved countries are: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, India, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovak Republic, Slovenia, Spain, Switzerland, Turkey, UAE, United Kingdom	\$1,500.00	C
102-1683	RECON REPEATER, AUSTRALIA approved countries are: Australia and New Zealand	\$1,500.00	C
102-1685	RECON REPEATER, JAPAN approved countries are: Japan	\$1,500.00	C
102-1688	RECON REPEATER, INDIA approved countries are: India	\$1,500.00	C
102-1689	RECON REPEATER, SWEDEN approved countries are: Sweden	\$1,500.00	C
102-1735	Recon Repeater, UAE approved countries are: UAE	\$1,500.00	C

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PART NO.	DESCRIPTION	MSRP (USD)
TK/TD RECON Parts and Accessories		
See Tracker and Display Parts and Accessory section under the TK series for common parts such as cases, bags and stands. See accessories below specific to the RECON series.		
220-2769	REPEATER MAG MOUNT KIT	\$87.55 B
220-2498	Battery Tray Final Assy, Alk & NiMH	\$137.26 C
220-2500	Battery Tray Final Assy, Li-Ion	\$63.68 C
220-2575	TDR Recon Mag Mount Kit – DW 900MHz	\$274.51 C
220-2577	TDR Recon Mag Mount Kit – Other 900MHz	\$175.69 C
222-5260	Battery Cap	\$10.42 C
222-5264	O-Ring	\$6.04 C
222-5521	Smart Li Ion Battery, 7.2V	\$109.81 F
222-5531	Universal Charger, US/North America	\$192.16 F
222-5592	900MHz 3 dbi Rubber Duck antenna/male	\$38.44 C
222-6517	ANTENNA, 902-960MHz	\$64.79 C
222-6519	868MHz Antenna	\$64.79 C
222-6520	Travel Adapter Set	\$20.87 F
222-6530	2.4GHz antenna 2.0dBi STD SMA	\$15.39 H
222-6540	Seven band external antenna, TNC	\$29.71 H

15T Beacon Transmitter

15T series beacons are available in a single 29 kHz frequency (15T1) or a three frequencies 12/20/29 kHz (15T3). They work with the TK or TK RECON tracker series. Prior to a bore, the 15T3 beacon can be configured with two of three frequencies 12 kHz, 20 kHz, and 29 kHz and can be configured with standard, high or extreme power. The 15T1 is 29 kHz and standard power level. The 15T series beacons are Grade pitch. The beacons are a universal length @ 15 in (381 mm) and an 1.25 in (31.7 mm) diameter, which fits into housings that are designed for a DCI transmitter. An optional 220-2356 hard case with batteries and isolators are available in the selectable parts section.

102-1632	15T1 Beacon, single 29 kHz frequency, standard power level	\$2,864.43 H
102-1588	15T3 Beacon, configurable 12, 20 or 29 kHz frequency; standard, high or extreme power levels	\$3,500.97 H

**SUGGESTED PRICE LIST
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Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
17T Beacon Transmitter		
17T series beacon transmitters are available in multiple frequency and power options. They work with the TK or TK RECON tracker series. Prior to a bore, the 17T4 and 17T4G beacons can be configured with two of four frequencies 1.5 kHz, 12 kHz, 20 kHz, and 29 kHz. It can also be configured with standard, high or extreme power. The 17T1 is 29 kHz and standard power. The 17T1H is 29 kHz and high power. "G" designates Grade pitch, everything else is Standard Pitch. The beacon comes standard with flat-top/half-moon isolators for side-load housings. An optional 220-1090 hard case, batteries and other isolators are available in the selectable parts section. Length is 17.8 in (452 mm). Diameter is 1.5 in (38 mm)		
102-1715	17T1 BEACON, BASE UNIT, 29 kHz frequency, standard power level	\$2,546.16 H
102-1716	17T1H BEACON, BASE UNIT, 29 kHz frequency, high power level	\$3,235.75 H
102-1717	17T4 BEACON, 1.5, 12, 20 and 29 kHz frequencies; standard, high or extreme power levels, standard pitch	\$3,819.24 H
102-1718	17T4G, 1.5, 12, 20 and 29 kHz frequencies; standard, high or extreme power levels, grade pitch	\$4,455.78 H
19T Beacon Transmitter		
19T beacon is available in a three frequencies 12/20/29 kHz (19T3). It works with the TK or TK RECON tracker series. Prior to a bore, the 19T3 beacon can be configured with two of three frequencies 12 kHz, 20 kHz, or 29 kHz and can be configured with standard, high or extreme power. The 19Ts beacon is Grade pitch. The beacons are a universal length @ 19 in (482 mm) and an 1.25 in (31.7 mm) diameter, which fits into housings that are designed for a DCI transmitter. An optional 220-2565 hard case with batteries and isolators are available in the selectable parts section.		
102-1631	19T3, configurable 12, 20 and 29 kHz frequencies; standard, high or extreme power levels	\$5,198.41 H
86 BHL Series Single Frequency HDD Beacon		
The BHL works with the TK and 750/752 system and uses a special battery pack (220-378) to achieve 60 hours of battery life. The beacon produces a 29 kHz signal. The BHL has an innovative clocking mechanism which allows the beacon to be clocked to any orientation.		
102-199	86BHL Beacon, Clocked Base Unit	\$5,356.48 H
Selectable Options		
220-378	POWER PACK ASSY (86BHL)	3 required \$42.11 \$0.00 C
220-482	CASE ASSEMBLY (86BHL) (includes 3/220-378)	\$330.53 A
221-086	ISOLATOR	\$10.45 C
220-2552	BHL 1.25 ADAPTER	\$185.66 C
220-051	86BHL Canoe (86/850 Series Beacons)	\$955.28 A
400-1121	DigiTrak Canoe (with ½ moon isolator)	\$206.27 C
400-1151	DigiTrak Canoe (with flat top isolator)	\$91.00 C

**SUGGESTED PRICE LIST
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Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
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88 Series Single Frequency HDD Beacons

The beacons work with the TK and 750/752 system and are small diameter for use on the smaller HDD units. The beacons come in two configurations; the first configuration is used on JT applications (orange index cap), and the second configuration is used on AT applications (blue index cap). The JT housings require a canoe to position the clock the 88B transmitter in the housing. All installations require isolators on each end. The 88B transmits a 29 kHz signal.

102-1418	88B Top Beacon Assembly Base Unit	\$2,181.21 H
102-252	88BAT Beacon Assembly Base Unit	\$2,134.53 H

Selectable Options

214-911	BATTERY AA ELECTROCHEM LITHIUM	\$107.60 A
220-634	88 SERIES CASE ASSEMBLY	\$71.82 A
221-543	ISOLATOR, SBRP - 88B	\$5.57 C
401-278	CANOE, 88B, JT520 HSG	\$26.43 C
401-279	CANOE, 88B, UPPER JT1220 HSG	\$14.21 H

BI Series Single Frequency Piercing Tool Beacon

The model BI impact beacon transmitter transmits a 29 kHz signal and is designed to work with the TK & 750/752 trackers and UtiliGuard & 900 series locators. The BI is a detection beacon which provides location information only, to a depth of 10 feet with 900 series locator receivers in normal soil conditions. The BI is designed for use with 3", 4", and 5.5" piercing tools using replaceable head beacon housings.

102-239	29K Beacon Impact Base Unit	\$724.59 C
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Beacon Parts and Accessories

220-2356	Beacon Case Assembly	\$131.77 C
220-1090	850B/ 86BV2 Case Assembly	\$111.28 C
220-1091	17T4G/850BG CASE ASSEMBLY	\$549.65 C
220-2565	CASE ASSEMBLY, 19T3	\$137.26 C
220-2578	ASSEMBLY, BATTERY CAP 17T	\$87.84 C
220-2794	17T Battery Update Kit	\$10.00 C
908-4304	ISOLATOR, 1.5 IN DCI FRONT	\$16.40 C
908-4295	ISOLATOR, DCI UNIV REAR	\$17.60 C
906-2624	SLEEVE, 86 BEACON	\$12.57 C
906-2702	SLEEVE, DCI SONDE	\$23.12 C

Repair Modules

220-2535	17T1 BEACON REPAIR ASSEMBLY	\$1,592.14 C
220-2536	17T1H BEACON REPAIR ASSEMBLY	\$2,031.36 C
220-2537	17T4 BEACON REPAIR ASSEMBLY	\$2,360.77 C

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(F.O.B. PERRY, OKLAHOMA)**

Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
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TK Guidance System

The TK system is a guidance system for tracking horizontal directional bores. The system is comprised of a tracker, drill rig display, and beacon. The TK system offers the choice of (3) TK trackers (a single frequency, a dual frequency, and a quad frequency tracker), (2) TD displays (one display mounted in the console and one display mounted on the console), and (4) TX beacons (two single frequency, one quad, and one quad grade beacon).

Trackers detect one, two, or four of the following beacon frequencies depending on the model: 1.5 kHz, 12 kHz, 20 kHz, and 29 kHz frequency.

Displays communicate with trackers by Bluetooth® or UHF radios. UHF radios are country specific in order to adhere to specific country regulations.

Beacons generate one or four of the following frequencies depending on the model: 1.5 kHz, 12 kHz, 20 kHz, and 29 kHz.

TKQ Tracker

The tracker detects a 1.5 kHz, 12 kHz, 20 kHz and 29 kHz beacon frequency and utilizes a UHF radio to communicate to the rig display; the UHF radio frequency is country specific (a tracker is available without a radio). See corresponding part numbers below. Each Tracker comes with the TSR reporting software, stand, alkaline batteries, and operators manual. Select the country specific TD or TDR display below for communication between the tracker and the rig display. Ships with the choice between 222-5446 Hard Case and 220-2383 carry bag.

102-1535	TKQ SS, BASE UNIT, USA RADIO approved countries are: USA, China, Columbia, India, Malaysia, Mexico, Thailand, Venezuela	\$13,685.61	H
102-1536	TKQ SS, Base Unit, German Radio approved countries are: Austria, Cyprus, Czech Republic, Denmark, Estonia, Finland, Germany, Greece, Hungary, Ireland, Latvia, Malta, Netherlands, Portugal, Romania, Slovenia, Switzerland, United Kingdom	\$13,685.61	H
102-1537	TKQ SS, Base Unit, Canadian Radio approved countries are: Canada	\$13,685.61	H
102-1538	TKQ SS, Base Unit, Australian Radio approved countries are: Australia and New Zealand	\$13,685.61	H
102-1539	TKQ SS, Base Unit, Swedish Radio approved countries are: Sweden	\$13,685.61	H
102-1540	TKQ SS, Base Unit, Euro Harmonic approved countries are: Belgium, Bulgaria, France, Israel, Italy, Lebanon, Lithuania, Luxembourg, Norway, Poland, Russia, Slovakia, South Africa, Saudi Arabia, Spain, Turkey, UAE	\$13,685.61	H

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Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
TKD Tracker The tracker detects a 12 kHz and 29 kHz beacon frequency and utilizes a UHF radio to communicate to the rig display; the UHF radio frequency is country specific (a tracker is available without a radio). See corresponding part numbers below. Each Tracker comes with the TSR reporting software, stand, alkaline batteries, and operators manual. Select the country specific TD or TDR display below for communication between the tracker and the rig display. Ships with the choice between 222-5446 Hard Case and 220-2383 carry bag.		
102-1534	TKD SS, Base Unit, No Radio	\$8,778.95 H
102-1528	TKD SS, Base Unit, USA Radio approved countries are: USA, China, Columbia, India, Malaysia, Mexico, Thailand, Venezuela	\$10,762.83 H
102-1529	TKD SS, Base Unit, German Radio approved countries are: Austria, Cyprus, Czech Republic, Denmark, Estonia, Finland, Germany, Greece, Hungary, Ireland, Latvia, Malta, Netherlands, Portugal, Romania, Slovenia, Switzerland, United Kingdom	\$10,762.83 H
102-1530	TKD SS, Base Unit, Canadian Radio approved countries are: Canada	\$10,762.83 H
102-1531	TKD SS, Base Unit, Australian Radio approved countries are: Australia and New Zealand	\$10,762.83 H
102-1532	TKD SS, Base Unit, Swedish Radio approved countries are: Sweden	\$10,762.83 H
102-1533	TKD SS, Base Unit, Euro Harmonic approved countries are: Belgium, Bulgaria, France, Israel, Italy, Lebanon, Lithuania, Luxembourg, Norway, Poland, Russia, Slovakia, South Africa, Saudi Arabia, Spain, Turkey, UAE	\$10,762.83 H

**SUGGESTED PRICE LIST
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Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
TK Tracker The tracker detects a single 29 kHz beacon frequency and utilizes a UHF radio to communicate to the rig display, the UHF radio frequency is country specific. See corresponding part numbers below. Each Tracker comes with TSR reporting software, stand, alkaline batteries, and operators manual. Separately, select a country specific TD or TDR display. Ships with the choice between 222-5446 Hard Case and 220-2383 carry bag.		
102-1522	TK SS, Base Unit, USA Radio approved countries are: USA, China, Columbia, India, Malaysia, Mexico, Thailand, Venezuela	\$9,760.28 H
102-1523	TK SS, Base Unit, German Radio approved countries are: Austria, Cyprus, Czech Republic, Denmark, Estonia, Finland, Germany, Greece, Hungary, Ireland, Latvia, Malta, Netherlands, Portugal, Romania, Slovenia, Switzerland, United Kingdom	\$9,760.28 H
102-1524	TK SS, Base Unit, Canadian Radio approved countries are: Canada	\$9,760.28 H
102-1525	TK SS, Base Unit, Australian approved countries are: Australia and New Zealand	\$9,760.28 H
102-1526	TK SS, Base Unit, Swedish Radio approved countries are: Sweden	\$9,760.28 H
102-1527	TK SS, Base Unit, Euro-Harmonic approved countries are: Belgium, Bulgaria, France, Israel, Italy, Lebanon, Lithuania, Luxembourg, Norway, Poland, Russia, Slovakia, South Africa, Saudi Arabia, Spain, Turkey, UAE	\$9,760.28 H
TK Tracker to Tracker Upgrade Kits The trackers can be upgraded to TKD or TKQ trackers. Price includes decals, software and hardware. The upgrades are performed by the Subsite Electronics® Service and Repair department @ the factory. A service labor charge is applied in addition to the upgrade kit. Additional repairs and labor may be required and will be charged separately.		
220-2283	TK to TKD Upgrade	\$1,976.46 C
220-2284	TK to TKQ Upgrade	\$6,306.00 C
220-2285	TKD to TKQ Upgrade	\$4,234.01 C
	1 hour Service Labor charge applied in addition to the upgrade kit	\$130.00
TK Radio Upgrade Kits The trackers can be upgraded to add or change the radio. Price includes hardware only. The upgrades are performed by the Subsite Electronics® Service and Repair department @ CMW. A service labor charge is applied in addition to the upgrade kit. Additional repairs and labor may be required and will be charged separately.		
220-2409	TK Radio Upgrade Kit, Swedish	\$2,010.41 C
220-2410	TK Radio Upgrade Kit, US	\$2,010.41 C
220-2411	TK Radio Upgrade Kit, Australia	\$2,010.41 C
220-2412	TK Radio Upgrade Kit, Canada	\$2,010.41 C
220-2413	TK Radio Upgrade Kit, Germany	\$2,010.41 C
220-2414	TK Radio Upgrade Kit, Euro-Harmonic	\$2,010.41 C
	1 hour Service Labor charge applied in addition to the upgrade kit	

**SUGGESTED PRICE LIST
(F.O.B. PERRY, OKLAHOMA)**

Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
TD Display The display is available as an in-dash mount (TD) or remote mount (TDR). Both styles of the display presents information displayed by the tracker at a distance up to 2000 ft (609.6 m) with the UHF radio. The display utilizes a UHF radio to communicate to the tracker, radio frequency is country specific. See corresponding part numbers below. The display has internal data storage capabilities and works with TMS Plus and TSR software. The TK Display works with all models of TK trackers and the 8500TK tracker. Each display comes standard with wiring harnesses and mounting hardware required to install on drill rigs.		
102-1459	TD DISPLAY, BASE UNIT, US RADIO approved countries are: USA, China, Columbia, India, Malaysia, Mexico, Thailand, Venezuela	\$4,858.92 H
102-1460	TD Display, Base Unit, German Radio approved countries are: Austria, Cyprus, Czech Republic, Denmark, Estonia, Finland, Germany, Greece, Hungary, Ireland, Latvia, Malta, Netherlands, Portugal, Romania, Slovenia, Switzerland, United Kingdom	\$4,858.92 H
102-1461	TD Display, Base Unit, Canadian Radio approved countries are: Canada	\$4,858.92 H
102-1462	TD Display, Base Unit, Australian Radio approved countries are: Australia and New Zealand	\$4,858.92 H
102-1463	TD Display, Base Unit, Swedish Radio approved countries are: Sweden	\$4,858.92 H
102-1464	TD Display, Base Unit, Euro Harmonic approved countries are: Belgium, Bulgaria, France, Israel, Italy, Lebanon, Lithuania, Luxembourg, Norway, Poland, Russia, Slovakia, South Africa, Saudi Arabia, Spain, Turkey, UAE	\$4,858.92 H
102-1465	TDR Display, Base Unit, US Radio approved countries are: USA, China, Columbia, India, Malaysia, Mexico, Thailand, Venezuela	\$5,023.36 H
102-1466	TDR Display, Base Unit, German Radio approved countries are: Austria, Cyprus, Czech Republic, Denmark, Estonia, Finland, Germany, Greece, Hungary, Ireland, Latvia, Malta, Netherlands, Portugal, Romania, Slovenia, Switzerland, United Kingdom	\$5,023.36 H
102-1467	TDR Display, Base Unit, Canadian Radio approved countries are: Canada	\$5,023.36 H
102-1468	TDR Display, Base Unit, Australian Radio approved countries are: Australia and New Zealand	\$5,023.36 H
102-1469	TDR Display, Base Unit, Swedish Radio approved countries are: Sweden	\$5,023.36 H
102-1470	TDR Display, Base Unit, Euro Harmonic approved countries are: Belgium, Bulgaria, France, Israel, Italy, Lebanon, Lithuania, Luxembourg, Norway, Poland, Russia, Slovakia, South Africa, Saudi Arabia, Spain, Turkey, UAE	\$5,023.36 H

**SUGGESTED PRICE LIST
 (F.O.B. PERRY, OKLAHOMA)**
Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
Tracker and Display Parts and Accessories		
220-2239	TDR Mag Mount Kit - Ditch Witch for USA, Canada, Australia, and Russia	\$256.94 C
220-2248	TDR Mag Mount Kit - DW Low Freq for Germany, Sweden, & Other European Union Countries	\$256.94 C
220-2247	TDR Mag Mount Kit - Other Drill for USA, Canada, Australia, and Russia	\$165.58 C
220-2249	TDR Mag Mount Kit - Other Drill Low Freq for Germany, Sweden, & Other European Union Countries	\$165.58 C
220-2225	PLATE, RAM Mount	\$731.36 C
222-4411	Tracker Base Mount Small	\$63.92 C
222-4105	Tracker Base Mount Big	\$67.60 C
222-5446	3220 HARD CASE, TK SYSTEM	\$406.27 B
220-2383	Carry Bag, W/ Blank Strap (830)	\$108.19 C
222-4163	750 TO TD JUMPER	\$66.74 C
222-4166	ON-DASH CONTROL HARNESS	\$49.16 C
222-4191	ARM, DOUBLE SOCKET, 1" BALL, COMPOSITE	\$19.23 C
222-4302	Cable Assembly, SMA – BNC, RG174	\$32.06 C
222-6951	TK EVA CASE	\$291.75 C
220-2661	TRACKER SWIVEL BASE MOUNT	\$196.27 C

Trac Management System (TMS) Plus

Trac Management System (TMS) Plus is an integrated planning and mapping system for Horizontal Directional Drilling.

The TMS Plus will work on any Jet Trac® equipped with the required Subsite® systems. Requirements for the TMS Plus include a TD / TDR Display, a TK / TKD / TKQ Tracker, 750 / 752 Display, a 750 / 752 Tracker and any Ditch Witch® pitch beacon.

A computer capable of running Windows 95 or higher is needed. The TMS Plus Kit includes a cable to connect from the unit to the computer, a software disc, and a manual.

220-054	TMS PLUS CD ONLY OPTION	\$1,935.62 C
220-1006	TMS Plus Dealer CD	\$468.92 C
222-2335	USB DATA CABLE	\$56.57 C
220-410	COMPUTER TO 750/752D CABLE	\$365.34 C

**SUGGESTED PRICE LIST
(F.O.B. PERRY, OKLAHOMA)**

Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
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Legacy Product Repair and Selectable Parts

Repair Modules

220-2100	850B Repair Module	\$1,678.98 C
220-2130	850BH Repair Module	\$2,493.04 C
220-2131	850BX Repair Module	\$2,289.62 C
220-2101	850BD Repair Module	\$2,022.39 C
220-2132	850BHD Repair Module	\$2,626.57 C
220-2133	850BXD Repair Module	\$2,408.24 C
220-2539	86Bv3 BEACON, REPAIR ASSEMBLY	\$1,482.35 C
220-2540	86BDv3 BEACON, REPAIR ASSEMBLY	\$1,921.56 C
220-2579	86BHv3 BEACON, REPAIR ASSEMBLY	\$2,250.96 C
220-2580	86BXv3 BEACON, REPAIR ASSEMBLY	\$2,470.57 C
220-2581	86BHDv3 BEACON, REPAIR ASSEMBLY	\$2,599.21 C
220-2582	86BXDv3 BEACON, REPAIR ASSEMBLY	\$2,705.30 C

Selectable Parts

222-1369	POWER STICK ASSY	\$6.14 C
220-1090	850B/ 86BV2 Case Assembly	\$111.28 C
220-1091	17T4G/850BG CASE ASSEMBLY	\$549.65 C
221-577	ISOLATOR FLAT TOP STD SIDELOAD	\$9.45 C
222-500	Aft Isolator	\$9.17 C
221-543	ISOLATOR, SBRP - 88B	\$5.57 C
222-501	850/86Bv2 Forward Isolator, Flat-Top	\$3.82 C
222-495	END LOAD ISOLATOR CAP	\$3.64 C
219-325	ISOLATOR	\$2.99 C
222-3214	DW V2 HALF MOON ISOLATOR	\$2.61 C
222-1239	LINER, PADDED ASSEMBLY	\$2.00 C
221-461	SMART LEVEL	\$196.76 A
214-911	BATTERY AA ELECTROCHEM LITHIUM	\$107.60 A
220-634	88 SERIES CASE ASSEMBLY	\$71.82 A
401-278	CANOE, 88B, JT520 HSG	\$26.43 C
401-279	CANOE, 88B, UPPER JT1220 HSG	\$14.21 H

**SUGGESTED PRICE LIST
 (F.O.B. PERRY, OKLAHOMA)**
Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
<u>DrillLok™ Remote/Base</u>		
DrillLok™ is a remote disable feature that incorporates a "report" feature from the HDD unit back to a Handheld device. The report provides an indication to the tracking crew that the rig is disabled there by locking out any inadvertent motion of the drillstring.		
102-1552	DrillLok™ Paired, US, Basic Unit approved countries are: USA, China, Columbia, India, Malaysia, Mexico, Thailand, Venezuela	\$2,280.94 C
102-1553	DrillLok™ Paired, Canada, Basic Unit approved countries are: Canada	\$2,280.94 C
102-1554	DrillLok™ Paired, German, Basic Unit approved countries are: Austria, Cyprus, Czech Republic, Denmark, Finland, Germany, Greece, Hungary, Ireland, Latvia, Malta, Netherlands, Portugal, Romania, Slovenia, Switzerland, United Kingdom	\$2,280.94 C
102-1555	DrillLok™ Paired, Sweden, Basic Unit approved countries are: Sweden	\$2,280.94 C
102-1556	DrillLok™ Paired, Aus/NZ, Basic Unit approved countries are: Australia and New Zealand	\$2,280.94 C
102-1557	DrillLok™ Paired, EU Harm, Basic Unit approved countries are: Belgium, Bulgaria, France, Israel, Italy, Lebanon, Lithuania, Luxembourg, Norway, Poland, Russia, Slovakia, South Africa, Saudi Arabia, Spain, Turkey, UAE	\$2,280.94 C
<u>Tracker DrillLok™ Retrofit Kit</u>		
TK, TKD and TKQ Trackers can be upgraded to add DrillLok™ capability. The upgrades are performed by Subsite® factory or service centers. A service labor charge is applied in addition to the upgrade kit. Additional repairs and labor may be required and will be charged separately.		
220-2462	TK series DrillLok™ retro-fit kit U.S.	\$900.38 C
220-2464	TK Series DrillLok™ retro-fit kit Canada	\$869.94 C
220-2465	TK Series DrillLok™ retro-fit kit German	\$869.94 C
220-2466	TK Series DrillLok™ retro-fit kit Sweden	\$869.94 C
220-2467	TK Series DrillLok™ retro-fit kit Aus/NZ	\$869.94 C
220-2468	TK Series DrillLok™ retro-fit kit EU Har	\$869.94 C
	1 hour Service Labor charge applied in addition to the upgrade kit	\$130.00

**SUGGESTED PRICE LIST
 (F.O.B. PERRY, OKLAHOMA)**
Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
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Display DrillLok™ Retrofit Kit

TD and TDR Displays can be upgraded to add DrillLok™ capability. The upgrades are performed by Subsite® factory or service centers. A service labor charge is applied in addition to the upgrade kit. Additional repairs and labor may be required and will be charged separately.

220-2463	TD Series DrillLok™ retro-fit kit U.S.	\$900.38	C
220-2469	TD Series DrillLok™ retro-fit kit Canada	\$869.94	C
220-2470	TD Series DrillLok™ retro-fit kit German	\$869.94	C
220-2471	TD Series DrillLok™ retro-fit kit Sweden	\$869.94	C
220-2472	TD Series DrillLok™ retro-fit kit Aus/NZ	\$869.94	C
220-2473	TD Series DrillLok™ retro-fit kit EU Har	\$869.94	C
	1 hour Service Labor charge applied in addition to the upgrade kit	\$130.00	

DrillLok™ Mounting Accessories

JT5	Shipped with: 350-4268 JT5 REMOTE DRILL LOCK	\$126.75	T
JT9	Shipped with: 350-2653 MOUNTING ASSY	\$146.40	T
JT20	Shipped with: 215-2288 RIG DISABLE HARNESS	\$96.21	C
JT25	Shipped with: 350-2653 MOUNTING ASSY	\$146.40	T
JT30 / AT30	Shipped with: 215-2288 RIG DISABLE HARNESS	\$96.21	C
JT40	Shipped with: 350-2653 MOUNTING ASSY	\$146.40	T
JT60 / AT60	Shipped with: 350-2653 MOUNTING ASSY	\$146.40	T
JT100 / AT100	Shipped with: 350-2653 MOUNTING ASSY	\$146.40	T

Changes since the December 1, 2018 price list:

Effective January 1, 2019

**SUGGESTED PRICE LIST
(F.O.B. PERRY, OKLAHOMA)**

Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
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UtiliGuard®+ Advanced System

The following features are included:

Receiver/Transmitter Communications, which allows the user to control the transmitter with the receiver. Access to 70 standard frequencies, Radio Mode, Total Field Beacon Antenna Mode, Passive Power Modes, Ambient Interference Measurement (AIM) and Offset Depth measurement capability. Two transmitter options, the T5+ (5 Watt) and the T12+ (12 Watt). The T12+ includes an additional feature called Dual Output. This feature allows the user to connect to two different target utilities, locate the first one away from the transmitter, then switch to the second utility and locate it coming back to the transmitter.

RECEIVERS

102-1558	RX UTG ADV UNIT, V02	\$3,469.27	H
102-1562	RX UTG ADV, HP, UNIT, V02 (W/HP=With Headphone Jack)	\$3,545.02	H

TRANSMITTERS

102-1575	TX UTILIGUARD T12 PLUS BASE UNIT	\$3,120.83	H
102-1573	TX UTILIGUARD T5 PLUS BASE UNIT	\$2,117.70	H
	Option for 5W PLUS		
240-0092	Dual Output Option	\$456.78	C

UtiliGuard® Standard System

The following features are included:

70 standard frequencies, Radio Mode, Total Field Beacon Antenna Mode, and Passive Power Modes. Two transmitter options the - T5 (5 Watt) and T12 (12 Watt). There are two receiver options, one with Bluetooth™ radio for short range GPS communication (Does Not Have RX/TX Comms.), and one standard receiver without Bluetooth™.

RECEIVERS

102-1559	RX UTG STD BLUETOOTH UNIT, V02	\$2,563.54	H
102-1563	RX UTG STD BLUETOOTH, HP, UNIT, V02	\$2,641.56	H
102-1560	RX UTG STD UNIT, V02	\$2,340.62	H
102-1564	RX UTG STD, HP, UNIT, V02 (W/HP=With Headphone Jack)	\$2,418.64	H

TRANSMITTERS

102-1574	TX UTILIGUARD T12 BASE UNIT	\$2,117.70	H
102-1572	TX UTILIGUARD T5 BASE UNIT	\$1,671.88	H

**SUGGESTED PRICE LIST
(F.O.B. PERRY, OKLAHOMA)**

Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
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UtiliGuard® B Basic System

The following features are included:

The receiver can be configured with up to 5 frequencies from a list of 70. This receiver does not have radio or total field beacon antenna mode. There is one basic transmitter, the T5-B (5 Watt), which can be configured with up to 4 frequencies chosen from a list of 70. (Additional frequencies cannot be added.)

RECEIVERS

102-1561	RX UTG BASIC UNIT, V02	\$2,013.62 C
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TRANSMITTER

102-1571	TX UTILIGUARD T5 BASIC BASE UNIT	\$1,319.47 C
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UtiliGuard® Frequencies Options (Frequently Chosen)

**Power Passive Option
(US)**

222-548	60HZ Power Option
222-550	120HZ Power Option
240-0014	180HZ Power Option

(International)

222-547	50HZ Power Option
222-549	100HZ Power Option
240-0012	150HZ Power Option

Line Option

222-551	512HZ Line Option
222-552	1KHZ Line Option
240-0042	3.14kHz Line Option
222-553	8KHZ Line Option
222-554	29KHZ Line Option
240-0049	44.6kHz Line Option
222-556	80KHZ Line Option
240-0055	83.1kHz Line Option

Beacon Option

219-625	29KHZ Beacon Option
240-0065	83.1kHz Beacon Option

UtiliGuard® Frequencies Options (All Other Options)

Power Passive Option

219-624	31KHZ CATV Passive Rec. Option
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Line Option

240-0008	64Hz Line Option
240-0009	75Hz Line Option
240-0010	98Hz Line Option
240-0011	128Hz Line Option
240-0013	163Hz Line Option
240-0015	208Hz Line Option
240-0016	220Hz Line Option

**SUGGESTED PRICE LIST
(F.O.B. PERRY, OKLAHOMA)**

Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
Line Option (Continued)		
240-0017	256Hz Line Option	
220-521	273HZ Line Option	
240-0018	280Hz Line Option	
240-0019	285Hz Line Option	
240-0020	320Hz Line Option	
240-0021	340Hz Line Option	
240-0022	380Hz Line Option	
221-572	400HZ Line Option	
240-0023	440Hz Line Option	
240-0024	460Hz Line Option	
240-0025	480Hz Line Option	
240-0026	484Hz Line Option	
240-0027	491Hz Line Option	
240-0028	570Hz Line Option	
240-0029	577Hz Line Option	
240-0030	604Hz Line Option	
240-0031	624Hz Line Option	
222-1337	640Hz Line Option	
240-0032	680Hz Line Option	
240-0033	740Hz Line Option	
240-0034	760Hz Line Option	
240-0035	800Hz Line Option	
221-246	815HZ Line Option	
240-0066	870Hz Line Option	
240-0036	920Hz Line Option	
240-0037	940Hz Line Option	
240-0038	968Hz Line Option	
240-0039	982Hz Line Option	
240-0040	1.02kHz Line Option	
240-0041	1.45kHz Line Option	
222-1339	8192Hz Line Option	
240-0043	8.44kHz Line Option	
240-0044	9.5kHz Line Option	
240-0045	9.82kHz Line Option	
240-0046	16.9kHz Line Option	
240-0047	22.5kHz Line Option	
222-1338	32768Hz Line Option	
240-0048	38kHz Line Option	
240-0050	65.5kHz Line Option	
240-0051	78.125kHz Line Option	
240-0052	78.132kHz Line Option	
240-0053	82.3kHz Line Option	
240-0054	82.5kHz Line Option	
240-0054	82.5kHz Line Option	
240-0055	83.1kHz Line Option	

**SUGGESTED PRICE LIST
(F.O.B. PERRY, OKLAHOMA)**

Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
Beacon Option		
221-571	512HZ Beacon Option	
222-616	640 HZ Beacon Option	
240-0061	874Hz Beacon Option	
240-0062	1.02kHz Beacon Option	
240-0063	1.17kHz Beacon Option	
240-0064	8.19kHz Beacon Option	
222-567	33KHZ Beacon Option	
UtiliGuard® ACCESSORIES		
222-5208	CLAMP, BROADBAND	\$1,007.99 C
220-2331	5 INCH CLAMP ASSEMBLY	\$554.40 C
220-2332	7 INCH CLAMP ASSEMBLY	\$811.99 C
222-3808	MFL TX 12V Adapter Cable Assembly	\$81.17 C
222-3815	MFL TX DIR CONN CABLE ASSY, STANDARD	\$203.84 C
222-4863	MFL TX DIR CONN CABLE ASSY, DUAL SMALL	\$279.55 C
222-4413	GROUNDING STAKE, MFL TX	\$32.61 C
222-4513	RECEIVER SLEEVE, SS	\$28.00 C
222-4232	STRAP, MFL TX	\$4.96 C
220-2330	Trans Bag, MFL, SS	\$56.00 C
220-2329	CARRY BAG, MFL, SS	\$112.00 C
222-4573	MFL TX TO 6 PIN CLAMP ADAPTOR	\$175.66 C
222-4572	6 PIN TX TO MFL CLAMP ADAPTOR	\$168.90 C
220-2490	MFL FAULT PROBE ASSY, V02	\$644.00 C
222-4857	Fault Probe Bag	\$84.01 C
220-2489	MFL EML BOOT, V02	\$952.00 C
220-2493	MFL EML BOOT, EUROPEAN, V02	\$952.00 C
220-2370	MAGNET	\$12.49 C
220-2306	MFL, LIVE POWER ADAPTER	\$671.99 C
222-4743	Clamp Extension Cable Assy, M16	\$173.56 C
220-2491	MFL RX CLAMP ASSY, V02	\$811.87 C
220-2492	MFL STETHOSCOPE ASSY, V02	\$420.00 C
222-5253	MFL RX, MALE THREAD TO MALE LOCK	\$32.49 B
222-5254	MFL RX, FEMALE LOCK TO FEMALE THREAD	\$32.49 B
220-2543	Bluetooth Accessory, V2 (New Connector Bluetooth® Accessory)	\$181.18 C
220-2544	Bluetooth Accessory, V1 (Old Connector Bluetooth® Accessory)	\$175.05 C
222-5574	UTILIGUARD EVA CASE	\$247.07 C

**SUGGESTED PRICE LIST
(F.O.B. PERRY, OKLAHOMA)**

Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
UtiliGuard® LITHIUM BATTERY KITS		
Includes battery, charger, and cable		
220-2310	LITHIUM BATTERY KIT, NORTH AMERICA	\$570.98 C
220-2311	LITHIUM BATTERY KIT, ARGENTINA	\$570.98 C
220-2312	LITHIUM BATTERY KIT, AUSTRALIA	\$570.98 C
220-2313	LITHIUM BATTERY KIT, BRAZIL	\$570.98 C
220-2314	LITHIUM BATTERY KIT, CHINA	\$570.98 C
220-2315	LITHIUM BATTERY KIT, DENMARK	\$570.98 C
220-2316	LITHIUM BATTERY KIT, EUROPEAN	\$570.98 C
220-2317	LITHIUM BATTERY KIT, ISRAEL	\$570.98 C
220-2318	LITHIUM BATTERY KIT, ITALY	\$570.98 C
220-2319	LITHIUM BATTERY KIT, JAPAN	\$570.98 C
220-2320	LITHIUM BATTERY KIT, KOREA	\$570.98 C
220-2321	LITHIUM BATTERY KIT, SOUTH AFRICA	\$570.98 C
220-2322	LITHIUM BATTERY KIT, SWITZERLAND	\$570.98 C
220-2323	LITHIUM BATTERY KIT, UNITED KINGDOM	\$570.98 C
Part list for lithium battery kits		
222-4590	CABLE, NORTH AMERICA NEMA 5-15P - IEC C5	\$22.85 C
222-4591	CABLE, ARGENTINA, IRM 2073 - IEC C5	\$22.85 C
222-4592	CABLE, AUSTRALIA, BS1363 UK3 - IEC C5	\$22.85 C
222-4593	CABLE, BRAZIL, NBR14136 - IEC C5	\$22.85 C
222-4594	CABLE, CHINA, GB2099 - IEC C5	\$22.85 C
222-4595	CABLE, DENMARK, SRAF 1962 - IEC C5	\$22.85 C
222-4596	CABLE, EUROPEAN, CEE 7/7 - IEC C5	\$22.85 C
222-4597	CABLE, ISRAEL, SI32 - IEC C5	\$22.85 C
222-4598	CABLE, ITALY, CEI 23-16 - IEC C5	\$22.85 C
222-4599	CABLE, JAPAN, JIS 8303 - IEC C5	\$22.85 C
222-4600	CABLE, KOREA, KSC 8305 - IEC C5	\$22.85 C
222-4601	CABLE, SOUTH AFRICA, BS 546 - IEC C5	\$22.85 C
222-4602	CABLE, SWITZERLAND, SEV 1011 - IEC C5	\$22.85 C
222-4603	CABLE, UNITED KINGDOM, BS 1363 - IEC C5	\$22.85 C
220-2221	MFL TX LITHIUM BATTERY SUB-ASSEMBLY	\$549.02 C
222-4189	MFL TX LITHIUM BATTERY CHARGER	\$43.10 C

**SUGGESTED PRICE LIST
(F.O.B. PERRY, OKLAHOMA)**

Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
NOTE: A 1 hour service charge will be applied in addition to the upgrade kit		
UtiliGuard® Basic Receiver Upgrades		
220-2386	UTG-BASIC to UTG-STD UPGRADE	\$570.98 C
220-2387	UTG-BASIC to UTG-STD-BLUETOOTH UPGRADE	\$867.82 C
220-2388	UTG-BASIC to UTG-ADV UPGRADE	\$1,847.03 C
UtiliGuard® Standard Receiver Upgrades		
220-2389	UTG-STD to UTG-STD-BLUETOOTH UPGRADE	\$823.53 C
220-2390	UTG-STD-BLUETOOTH to UTG-ADV UPGRADE	\$1,292.39 C
220-2391	UTG-STD to UTG-ADV UPGRADE	\$1,524.51 C
UtiliGuard® Bluetooth Enabled Receiver Upgrades		
220-2557	Bluetooth Accessory Upgrade Kit V2 (New Connector Bluetooth® Accessory Receiver Upgrade)	\$318.42 C
220-2556	Bluetooth Accessory Upgrade Kit V1 (Old Connector Bluetooth® Accessory Receiver Upgrade)	\$307.66 C
UtiliGuard® Transmitter Upgrades		
220-2392	UTG-T12 to UTG-T12-PLUS UPGRADE	\$1,432.22 C
220-2393	UTG-T5 to UTG-T5-PLUS UPGRADE	\$1,021.17 C
220-2394	UTG-T5-BASIC to UTG-T5 UPGRADE	\$530.45 C
220-2395	UTG-T5-BASIC to UTG-T5-PLUS UPGRADE	\$1,193.51 C
Branding Upgrades		
220-2513	SS AV STD RX, ACC. UPGRADE KIT	\$219.61 C
220-2514	MFL RX ACC. UPGRADE KIT, ORANGE	\$219.61 C
220-2515	SS AV ADV RX, ACC. UPGRADE KIT	\$219.61 C
220-2521	DW UG ADV RX, ACC. UPGRADE KIT	\$219.61 C
LOCATING BEACONS AND ACCESSORIES		
102-225	910 Beacon - 512 HZ Base Unit	\$599.41 H

**SUGGESTED PRICE LIST
(F.O.B. PERRY, OKLAHOMA)**

Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
BI Series Single Frequency Piercing Tool Beacon		
The model BI impact beacon transmitter transmits a 29-33 kHz signal and is designed to work with the 750/752 trackers and 900 series locator receivers. The BI is a detection beacon which provides location information only, to a depth of 10 feet with 900 series locator receivers in normal soil conditions. The BI is designed for use with 3", 4", and 5.5" piercing tools using replaceable head beacon housings.		
102-239	29K Beacon Impact Base Unit	\$724.59 C
102-091	33K Beacon Impact Base Unit	\$636.54 C
150 BW		
Beacons include (1) "N" size alkaline battery		
102-1006	Beacon Assy, 150BW 640 W/S Base Unit	\$466.80 C
102-1017	Beacon Assy, 150BW 512 W/S Base Unit	\$453.20 C
150 BC		
102-1007	Beacon Assy 150BC 640 Conduit Base Unit	\$477.41 C
102-1008	Beacon Assy, 150BC 30K Conduit Base Unit	\$477.41 C
102-1013	Beacon Assy, 150BC 29K Conduit Base Unit	\$477.41 C
102-1029	Beacon Assy, 150BC 33K Conduit Base Unit	\$477.41 C
150BWL		
102-1298	Assy, Long Range Beacon 640HZ Base Unit	\$718.23 D
102-1299	Assy, Long Range Beacon 512HZ Base Unit	\$718.23 D
150BCL		
102-1304	Beacon Assy, 150BCL 29KHZ Base Unit	\$655.64 H
102-1295	Beacon Assy, 150BCL 30KHz Base Unit	\$623.81 H
102-1305	Beacon Assy, 150BCL 33KHZ Base Unit	\$655.64 H
150 BEACON ADAPTERS		
220-1108	KIT, FERRULE ADAPTER ASSEMBLY (Kit includes: Flexible adapter, 3/16" push rod adapter, 1/4" push rod adapter, 1/8" push rod adapter, Pull-back adapter and Epoxy)	\$102.18 C
220-2628	150BC/BW COUPLER SPRING ADAPTER KIT	\$164.71 C
220-2629	150BCL COUPLER SPRING ADAPTER KIT	\$164.71 C
220-2630	150BWL COUPLER SPRING ADAPTER KIT	\$164.71 C
ACCESSORIES		
220-2031	150BCL BATTERY CAP ASSEMBLY 3/8 THREAD	\$53.27 C
220-2032	BATTERY CAP ASSEMBLY	\$70.16 C
220-2033	150B BATTERY CAP ASSEMBLY	\$67.60 C

**SUGGESTED PRICE LIST
 (F.O.B. PERRY, OKLAHOMA)**
Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
830 Series High Frequency Locator System		
The 830 system is used to locate pipes and cables with simple operation and high performance. The advantage of this product is that it traces poor conductors, locates short lengths better, and it can be directly or inductively connected. The 830R receiver is used to detect a controlled signal applied to metallic pipes and cables with the 830T. Each unit will include operator manual, "D" cell batteries, direct connect leads and ground pin.		
RECEIVERS		
102-1420	830R Base Unit, Subsite	\$2,014.95 H
102-1421	830R + Power Base Unit, Subsite (60Hz, 120Hz, 180Hz OR 50Hz, 100Hz, 150Hz)	\$2,221.76 H
Power Update		
220-2088	830R Power Conversion Kit	\$328.18 H
TRANSMITTER		
102-1422	830T Base Unit, Subsite	\$1,294.05 H
ACCESSORIES		
220-2383	Carry Bag, W/ Blank Strap (830)	\$108.19 C
220-339	3 INCH CLAMP ASSY	\$325.67 C
220-292	5" CLAMP ASSEMBLY	\$386.74 C
220-455	CLAMP ASSEMBLY, 7 INCH	\$585.33 C
220-131	GROUNDING PIN	\$16.73 C
220-192	DIRECT CONNECT ASSEMBLY	\$77.85 C
222-2924	Boot, 830R Antenna	\$5.75 C
222-3070	BOOT, RUBBER, 830T ANTENNA	\$5.25 C
900 SERIES LOCATOR ACCESSORIES		
220-483	3 INCH CLAMP ASSEMBLY, 6 PIN	\$418.47 C
220-485	5 INCH CLAMP ASSY, 6 PIN	\$479.13 C
220-487	7 INCH CLAMP ASSY, 6 PIN	\$762.28 C
220-544	CONNECTOR REPAIR KIT	\$53.44 C
220-2383	Carry Bag, W/ Blank Strap (830)	\$108.19 C
220-442	STRAIGHT CABLE ASSY	\$188.97 C
220-488	COILED CABLE ASSY	\$180.29 C
220-373	Telephone lead adapter (alligator clip)	\$85.80 C
220-497	PHONE - DIRECT CONNECT, CABLE	\$205.56 C
220-496	CLAMP EXTENSION, CABLE ASSY	\$133.75 C
754-083	REPLACE OP MANUAL	\$7.78 A
754-062	950R/T OPERATORS MANUAL (USA)	\$7.78 A
754-069	950R/T OPERATORS MANUAL - FRE	\$7.72 A
754-068	950R/T OPERATORS MANUAL - GER	\$8.09 A
754-070	950R/T OPERATORS MANUAL - SPA	\$8.03 A

**SUGGESTED PRICE LIST
(F.O.B. PERRY, OKLAHOMA)****Effective January 1, 2019**

PART NO.	DESCRIPTION	MSRP (USD)
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LIVE POWER ADAPTOR

The LPA is an accessory to the 950T, 970T, 980T and 300T transmitter. The LPA's primary function is to place signals on live target lines. The LPA has the ability to connect the transmitters, without damaging the transmitter, to live lines up to 480 volts. The ability to hook to live lines is needed because power interruption is not always possible.

LPA

220-566	LIVE POWER ADAPTER	\$672.10 C
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UPGRADE SERVICE (per each service)

Upgrade service allows the user to later add a locator option (950R) at the current option price, plus the listed service fee.

218-901	UPGRADE SERVICE	\$130.81 H
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Depth Calibration Check

This service will verify that a 950R receiver with depth capability is within factory test field tolerances. The unit will be recalibrated if required. If unit repair is necessary to achieve calibration, the repair costs are not included in this service charge.

219-092	DEPTH CALIBRATION CHECK	\$197.33 H
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2550GR

The 2550GR ground penetrating radar utilizes a unique dual-frequency antenna design (250MHz, 700MHz) that enables the user to simultaneously scan for non-metallic and metallic pipes in both shallow and deeper locations. The system provides a superior resolution and soil penetration to a depth up to 19 feet depending on soil conditions. There are two configurations of the 2550GR.

The base unit includes: antenna, battery, battery charger, software, and manual.

The base unit w/PC includes: Panasonic Toughbook PC, antenna, battery, battery charger, software and manual.

102-1638	2550GR BASE UNIT	\$22,835.87 B
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102-1640	2550GR W/ PC BASE UNIT	GPR BOX(250-1003)DIMS 46X26X26	\$27,013.17 B
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ACCESSORIES

220-2588	GPS MOUNT ASSY	\$219.61 C
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**SUGGESTED PRICE LIST
(F.O.B. PERRY, OKLAHOMA)****Effective January 1, 2019**

PART NO.	DESCRIPTION	MSRP (USD)
<u>Legacy Product Accessories</u>		
250 SERIES CABLE AVOIDANCE SYSTEM ACCESSORIES		
215-276	BATTERY (1.5V, C, ALKALINE)	\$2.83 C
220-131	GROUNDING PIN	\$16.73 C
220-373	Telephone lead adapter (alligator clip)	\$85.80 C
220-483	3 INCH CLAMP ASSEMBLY, 6 PIN	\$418.47 C
220-485	5 INCH CLAMP ASSY, 6 PIN	\$479.13 C
220-487	7 INCH CLAMP ASSY, 6 PIN	\$762.28 C
220-496	CLAMP EXTENSION, CABLE ASSY	\$133.75 C
220-497	PHONE - DIRECT CONNECT, CABLE	\$205.56 C
220-566	LIVE POWER ADAPTER	\$672.10 C
220-2383	Carry Bag, W/ Blank Strap (830)	\$108.19 C
222-132	CABLE ASSY, DIRECT CONNECT	\$183.81 C
222-169	300SR/T HARD CASE	\$382.27 C
150 SERIES COMPACT LOCATOR SYSTEMS LOCATOR ACCESSORIES		
222-1193	Bag, 150 Carry	\$34.94 C
220-339	3 INCH CLAMP ASSY	\$325.67 C
220-292	5" CLAMP ASSEMBLY	\$386.74 C
220-455	CLAMP ASSEMBLY, 7 INCH	\$585.33 C
220-566	LIVE POWER ADAPTER	\$672.10 C
220-131	GROUNDING PIN	\$16.73 C
220-192	DIRECT CONNECT ASSEMBLY	\$77.85 C

Changes since the December 1, 2018 price list:

Effective January 1, 2019

**SUGGESTED PRICE LIST
(F.O.B. PERRY, OKLAHOMA)**

Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
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OnGrade

Ditch Witch® OnGrade™ is used in conjunction with horizontal directional drilling for the installation of gravity flow systems. The basic system includes the following: grade pole, extension pole, pole case, mounting plate ass'y, smart level, operation manual, grade laser, calibration fixture, job box, and elevating tripod.

NOTE: Requires 8500 Guidance system and 850 grade beacon (dual frequency is suggested).

BASIC UNITS

102-1342	OnGrade Basic Assembly Base Unit	\$30,108.34	C
102-1345	OnGrade Assembly (w/o Laser) Base Unit	\$27,848.63	C
102-1436	OnGrade Assembly (w/o Laser & Job Box)	\$22,999.25	C

MEASURING RODS (Select one)

222-2516	GRADE MEASURING ROD (20 FT)	\$189.90	C
222-2842	GRADE MEASURING ROD (5M)	\$168.68	C

OPTIONS

220-2046	Installed Pipe Inspection Package	\$3,444.92	C
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DOWNHOLE GRADE TOOLS

BEACON HOUSINGS (Select one)

400-1258	3.375" 850B ELST HOUSING ASSEMBLY	\$2,573.69	C
400-1407	4.75" GRADE HSG ASSEMBLY	\$3,195.82	C

TRANSITION SUBS (Select one)

400-588	JT27M1 GRADE DRILLING SUB	\$904.30	C
400-589	JT40M1 GRADE DRILLING SUB	\$926.80	C

ADAPTERS (Select one)

400-1248	4.0" GRADE HSG STABILIZER 2.59-4FM	\$586.07	C
400-1302	5.0" GRADE HSG STABILIZER 2.59-4F/M	\$635.48	C
400-1408	6.0" GRADE STABLIZER	\$833.89	C
	Shipped with: 400-1364 STABILIZER WRENCH JAW	\$410.53	C
		\$1,244.42	

**SUGGESTED PRICE LIST
(F.O.B. PERRY, OKLAHOMA)**

Effective January 1, 2019

PART NO.	DESCRIPTION	MSRP (USD)
BITS (Select one)		
JT3020		
400-1246	4-6/16-75-00 GRADE TUFF BIT	\$317.24 C
400-1243	4.0" ST POCKET BIT HEAD	\$1,039.27 C
400-1239	4-2/16-P-TUFF BIT BLADE	\$211.12 C
JT4020		
400-1176	5-2/16-P-TUFF BIT BLADE	\$186.19 C
JT100		
400-1406	4.75" DRILL HEAD 3.5 API IF/6-20	\$1,210.35 C
400-1366	6-6/20-1-00 GRADE TUFF BIT	\$391.48 C
BACKREAMERS (Optional)		
400-1270	10" GRADE FLAIL (2.59-4F/40KSF)	\$2,119.68 C
400-1236	12" GRADE FLAIL (2.59-4F/40KSF)	\$2,141.96 C
400-1276	14" GRADE FLAIL (2.59-4F/40KSF)	\$2,184.39 C
400-1282	16" GRADE FLAIL (2.59-4F/40KSF)	\$2,290.48 C
400-1288	19" GRADE FLAIL (2.59-4F/40KSF)	\$2,460.23 C
400-1295	22" GRADE FLAIL (2.59-4F/40KSF)	\$2,598.14 C

NOTE: TO PLACE ORDER, PLEASE CONTACT LARRY KINDSCHI OR YOUR REGIONAL MANAGER

OTHER

- **CHANGES**

Changes since the December 1, 2018 price list:

Effective January 1, 2019

See changes on:
Guidance Systems

EXTENDED WARRANTY

- **Electronics Warranty**

EXTENDED WARRANTIES

Warranty: Generally, Subsite® receivers, remote displays, locators, and transmitters have a twelve (12) month warranty. Subsite® T-Series beacons have a three (3) year 750 hour warranty, all other Subsite® beacons have a six (6) month warranty. Refer to individual product manuals for specific warranty information.

Coverage: Policy covers defects in material or workmanship using original warranty guidelines. Owner is responsible for inbound freight, and Subsite® will pay outbound freight. Countries that require duties, import fees, etc. are not covered under extended warranty. There are no provisions under extended warranty for software enhancements or batteries.

Registration: Extended warranty purchased after the sale, contact Technical Service Department within the first 12 months of ownership. Extended warranty purchased at the time of sale, please note on the front of the registration card that the customer is purchasing extended warranty. Subsite® will bill the dealership and load information into the data bank.

MODEL	PART #	1 YR. EXT. WARRANTY	PART #	2 YR. EXT. WARRANTY
GUIDANCE SYSTEMS				
TK, TKD, & TKQ	799-1171	\$1,240.00	799-1172	\$1,860.00
TD & TDR	799-1173	\$455.00	799-1174	\$682.50
TK RECON	799-1409	\$1,240.00	799-1410	\$1,860.00
TD/TDR RECON	799-1411	\$455.00	799-1412	\$685.00
Commander 7	799-1477	\$550.00	799-1478	\$850.00
LOCATORS				
830 Receiver	799-1101	\$185.00	799-1102	\$260.00
830 Transmitter	799-1103	\$95.00	799-1105	\$155.00
Utiliguard Receiver	799-1188	\$230.00	799-1189	\$245.00
Utiliguard Transmitter	799-1194	\$190.00	799-1195	\$210.00