Pioneer Petrotech Services Inc.



PPS36 DepthWatcher

The **PPS36 DepthWatcher** is a portable depth recorder that runs on batteries or external power and has an LCD display that an operator can use to see the actual depth, speed, and tension during a slickline job. The recorder can be set up using a very simple menu or by connecting to a PC. It can be operated on a stand alone mode (Memory) or on a real time mode (SRO) with the use of a PC to display depth, speed, tension and two additional channels. It is also equipped with three additional 4-20mA channels for measuring other wellhead parameters.



Characteristics

Real Time Monitoring Software Compatibility Windows 7/Vista/XP/NT/2000 Display LCD Graphic Display (320 x 240) Memory 1 million samples or 30 hours @ 0.1s sampling rate Power Input Voltage 6 - 28 VDC, 200 mA at 12 VDC 100-240VAC, 50/60Hz (with a power adapter) Lithium Battery Pack Sampling Rate 0.1 second to 1.8 hours, each channel can be configured seperately Encoder +5 VDC Optical Encoder, Resolution 512 - 1024 External Channels 3 Channels (4-20 mA input) Depth Alarm Up to 8 w/Close to Surface Alarm Speed Alarm Speed Alarm One Tension Alarm One Dimensions—inches 4.30 (H) × 7.90 (W) × 9.10 (L) Weight 8 lbs Operating Temperature -20 °C (-4 °F) to 70 °C (158 °F) Communication USB 2.0 (Type—B Port) Data Transfer Rates	Depth Accuracy	±0.3 ft. (±0.1 m)
Display LCD Graphic Display (320 x 240) Memory 1 million samples or 30 hours @ 0.1s sampling rate Power Input Voltage 6 - 28 VDC, 200 mA at 12 VDC 100-240VAC, 50/60Hz (with a power adapter) Lithium Battery Pack Sampling Rate 0.1 second to 1.8 hours, each channel can be configured seperately Encoder +5 VDC Optical Encoder, Resolution 512 - 1024 External Channels 3 Channels (4-20 mA input) Depth Alarm Up to 8 w/Close to Surface Alarm Speed Alarm One Tension Alarm One Dimensions—inches 4.30 (H) × 7.90 (W) × 9.10 (L) Weight 8 lbs Operating Temperature -20 °C (-4 °F) to 70 °C (158 °F) Communication USB 2.0 (Type—B Port)	Real Time Monitoring	Yes (a computer is necessary)
Memory 1 million samples or 30 hours @ 0.1s sampling rate 6 - 28 VDC, 200 mA at 12 VDC 100-240VAC, 50/60Hz (with a power adapter) Lithium Battery Pack Sampling Rate 0.1 second to 1.8 hours, each channel can be configured seperately Encoder +5 VDC Optical Encoder, Resolution 512 - 1024 External Channels 3 Channels (4-20 mA input) Depth Alarm Up to 8 w/Close to Surface Alarm Speed Alarm One Tension Alarm One Dimensions—inches 4.30 (H) × 7.90 (W) × 9.10 (L) Weight 8 lbs Operating Temperature -20 °C (-4 °F) to 70 °C (158 °F) Communication USB 2.0 (Type—B Port)	Software Compatibility	Windows 7/Vista/XP/NT/2000
Power Input Voltage 6 - 28 VDC, 200 mA at 12 VDC 100-240VAC, 50/60Hz (with a power adapter) Lithium Battery Pack Sampling Rate 0.1 second to 1.8 hours, each channel can be configured seperately Encoder +5 VDC Optical Encoder, Resolution 512 - 1024 External Channels 3 Channels (4-20 mA input) Depth Alarm Up to 8 w/Close to Surface Alarm Speed Alarm One Tension Alarm One Dimensions—inches 4.30 (H) × 7.90 (W) × 9.10 (L) Weight 8 lbs Operating Temperature -20 °C (-4 °F) to 70 °C (158 °F) Communication USB 2.0 (Type—B Port)	Display	LCD Graphic Display (320 x 240)
Sampling Rate 50/60Hz (with a power adapter) Lithium Battery Pack Sampling Rate 0.1 second to 1.8 hours, each channel can be configured seperately Encoder +5 VDC Optical Encoder, Resolution 512 - 1024 External Channels 3 Channels (4-20 mA input) Depth Alarm Up to 8 w/Close to Surface Alarm Speed Alarm One Tension Alarm One Dimensions—inches 4.30 (H) × 7.90 (W) × 9.10 (L) Weight 8 lbs Operating Temperature -20 °C (-4 °F) to 70 °C (158 °F) Communication USB 2.0 (Type—B Port)	Memory	1 million samples or 30 hours @ 0.1s sampling rate
Sampling Rate each channel can be configured seperately Encoder +5 VDC Optical Encoder, Resolution 512 - 1024 External Channels 3 Channels (4-20 mA input) Depth Alarm Up to 8 w/Close to Surface Alarm Speed Alarm One Tension Alarm One Dimensions—inches 4.30 (H) × 7.90 (W) × 9.10 (L) Weight 8 lbs Operating Temperature -20 °C (-4 °F) to 70 °C (158 °F) Communication USB 2.0 (Type—B Port)	Power Input Voltage	6 - 28 VDC, 200 mA at 12 VDC 100-240VAC,
each channel can be configured seperately Encoder +5 VDC Optical Encoder, Resolution 512 - 1024 External Channels 3 Channels (4-20 mA input) Depth Alarm Up to 8 w/Close to Surface Alarm Speed Alarm One Tension Alarm One Dimensions—inches 4.30 (H) × 7.90 (W) × 9.10 (L) Weight 8 lbs Operating Temperature -20 °C (-4 °F) to 70 °C (158 °F) Communication USB 2.0 (Type—B Port)		50/60Hz (with a power adapter) Lithium Battery Pack
Encoder +5 VDC Optical Encoder, Resolution 512 - 1024 External Channels 3 Channels (4-20 mA input) Depth Alarm Up to 8 w/Close to Surface Alarm Speed Alarm One Tension Alarm One Dimensions—inches 4.30 (H) × 7.90 (W) × 9.10 (L) Weight 8 lbs Operating Temperature -20 °C (-4 °F) to 70 °C (158 °F) Communication USB 2.0 (Type-B Port)	Sampling Rate	0.1 second to 1.8 hours,
External Channels 3 Channels (4-20 mA input) Depth Alarm Up to 8 w/Close to Surface Alarm Speed Alarm One Tension Alarm One Dimensions—inches 4.30 (H) × 7.90 (W) × 9.10 (L) Weight 8 lbs Operating Temperature -20 °C (-4 °F) to 70 °C (158 °F) Communication USB 2.0 (Type-B Port)		each channel can be configured seperately
Depth Alarm Speed Alarm Speed Alarm One Tension Alarm Dimensions—inches 4.30 (H) × 7.90 (W) × 9.10 (L) Weight 8 lbs Operating Temperature -20 °C (-4 °F) to 70 °C (158 °F) Communication USB 2.0 (Type-B Port)	Encoder	+5 VDC Optical Encoder, Resolution 512 - 1024
	External Channels	3 Channels (4-20 mA input)
	Depth Alarm	Up to 8 w/Close to Surface Alarm
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Speed Alarm	One
Weight 8 lbs Operating Temperature -20 °C (-4 °F) to 70 °C (158 °F) Communication USB 2.0 (Type-B Port)	Tension Alarm	One
Operating Temperature -20 °C (-4 °F) to 70 °C (158 °F) Communication USB 2.0 (Type-B Port)	Dimensions-inches	4.30 (H) × 7.90 (W) × 9.10 (L)
Communication USB 2.0 (Type-B Port)	Weight	8 lbs
	Operating Temperature	-20 °C (-4 °F) to 70 °C (158 °F)
Data Transfer Rates Up to 1.8 MBits/second	Communication	USB 2.0 (Type-B Port)
	Data Transfer Rates	Up to 1.8 MBits/second
Enclosure Type NEMA 4	Enclosure Type	NEMA 4

Applications:

- Slickline Depth Recorder
- Coiled Tubing Depth Recorder with Customized Adapter
- Wireline Depth Recorder

