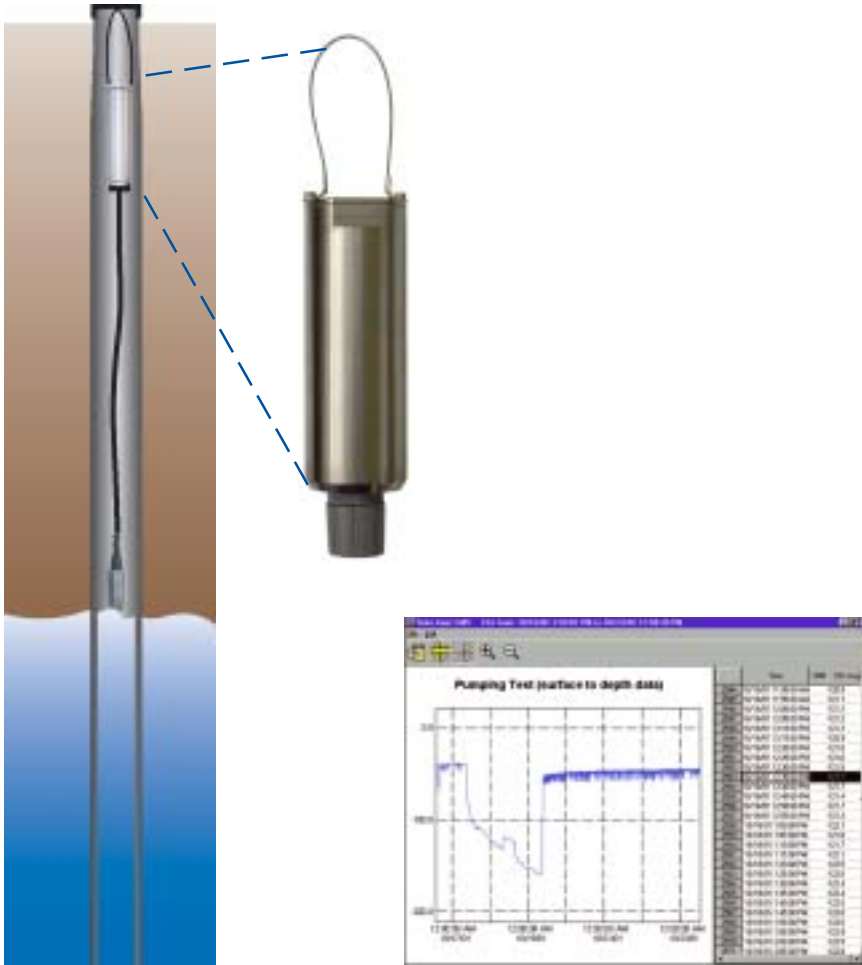


Water Level Monitoring with Telog's WLS-31, Level Tracker



Telog's Level Tracker is a simple, effective and economical system designed to measure water level using a datalogger and pressure sensor. The Level Tracker is valuable in level monitoring applications such as aquifer characterization, environmental remediation, well or tank level recording, combined sewer overflow and sanitary sewer overflow.

With a Level Tracker, everything you need for level monitoring — recorder, sensor and cable comes in one simple and rugged package, pre-assembled and calibrated. The simplicity of the compact battery-powered Level Tracker enables you to put it to work, unattended, inside a 2" well within minutes of unpacking.

The Level Tracker performs uninterrupted at a site, even as you collect data from its wrap-around memory. This paperless system records and stores data in its memory for later transfer to a computer for data review and reporting. Recorded data may be gathered via an RS-232 connector using Telog's PalmPilot based DTU (**D**ata **T**ransfer **U**nit) or a laptop. The DTU is especially convenient for gathering data from several Level Trackers. At times when on-site data evaluation is required, a laptop and Telogers for Windows software, is all you need.

For more information call us at 585.742.3000
or email: TelogSales@telog.com

**Unattended In-well
Applications**

Installs in 2" Wells

**Automatic
Barometric Pressure
Correction**

7 Year Battery Life

**Windows Software
Support**

**Palm Pilot
Data Transfer
Support**

WLS-31, Level Tracker Specifications



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Specifications within this brochure are subject to change without notification.

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Palm Pilot is a registered trademark of Palm, Inc.
IBM is the registered trademark of International Business Machines.

Recorder

Model	Telog PR-31
Type	Single channel pressure recorder
Measurement	
Resolution	12 bits (0.025%)
Accuracy	+/- 0.075% of full scale at 23°C +/- 75 ppm/°C
Temperature range	-40°C to +65°C
Recording	
Sample rate	Programmable from 1/sec up to 8 hours
Data interval	Programmable from 1/sec up to 8 hours
Values saved	Selectable min, avg & max per interval
Memory	128 Kbytes (~80,000 data values)
Interface	
Type	RS-232; 300 to 19.2 Kbaud
Connector	Circular 4 pin watertight
Battery	
Type	Single AA Lithium (Saft LS 14500 or equal)
Life	7 years typical
Physical	
Temperature range	-40°C to +65°C
Environmental	Submersible to NEMA 6 (IP-67)
Enclosure	316 stainless steel
Pressure vent	0.2 micron Gore-Tex filter
Size	140 mm (5.5") long x 45 mm (1.75") diameter
Weight	1 Kg (2.2 lbs)
Support Software	
S-3PC	Telogers for Windows
S-3PCL	Telogers for Windows Lite
Data Transfer Unit	Palm Pilot with Telog support software (contact Telog for Palm specific software)

Sensor

Model	Telog PT-10R
Type	Strain gauge pressure sensor
Range	Selectable 5, 10 and 15 PSI (contact Telog for alternate pressure ranges)
Accuracy	
Non-linearity	+/- 0.15% of span; BFSL
Repeatability	+/- 0.03% of span; BFSL
Hysteresis	+/- 0.03% of span; BFSL
Temperature Range	
Operating	-40°C to +65°C
Compensated	-10°C to +65°C
Temperature Effect	
On full scale	+/- 0.02%/°C
On zero offset	+/- 0.02%/°C
Pressure Over Range	
Proof pressure	3 times full scale
Burst pressure	5 times full scale
Physical	
Pressure connection	5/8"-18 UNF female
Environmental	Submersible to NEMA 6P (IP-68)
Sensor length	115mm (4.5")
Sensor diameter (max)	21.6mm (0.85")
Sensor weight	170g (6 oz) nominal
Sensor body material	316 stainless steel
Cable	vented polyurethane 6.4mm diameter (1/4")
Cable weight	41 g/m (0.027 lbs./ft)

Computer Requirements

For S-3 PC or S-3PCL IBM compatible computer with a 586/133 MHz or higher processor running on Microsoft Windows 95/98/NT/2000, at least 32 MB of RAM, a hard disk with at least 200 MB of free space and a pointing device.

Ordering Information

To order the WLS-31 system, specify the model number as follows:
WLS-31-P-L
Where P=pressure range in PSI and L=cable length in meters
Example: WLS-31-10-20