

Telog WLS-31 Water Level Monitoring Specifications

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 ranges	-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)

Sensor

Model	Telog PT-10R
Type	Strain gauge pressure sensor
Range	Selectable 5, 10 and 15 PSI

Accuracy

>Non-linearity	±0.15% of span; BFSL
>Repeatability	±0.03% of span; BFSL
>Hysteresis	±0.03% of span; BFSL

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)

Connections

Cable	8 meter cable with submersible connector
Process connection	3/4" MNPT: 0.9" insertion length
Pipe fitting	3/4" MNPT

Battery Life

1 to 2 years based on
pH and temperature

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/XP.
At least 32 MB of RAM,
a hard disk with at least 200 MB
of free space and a pointing device.