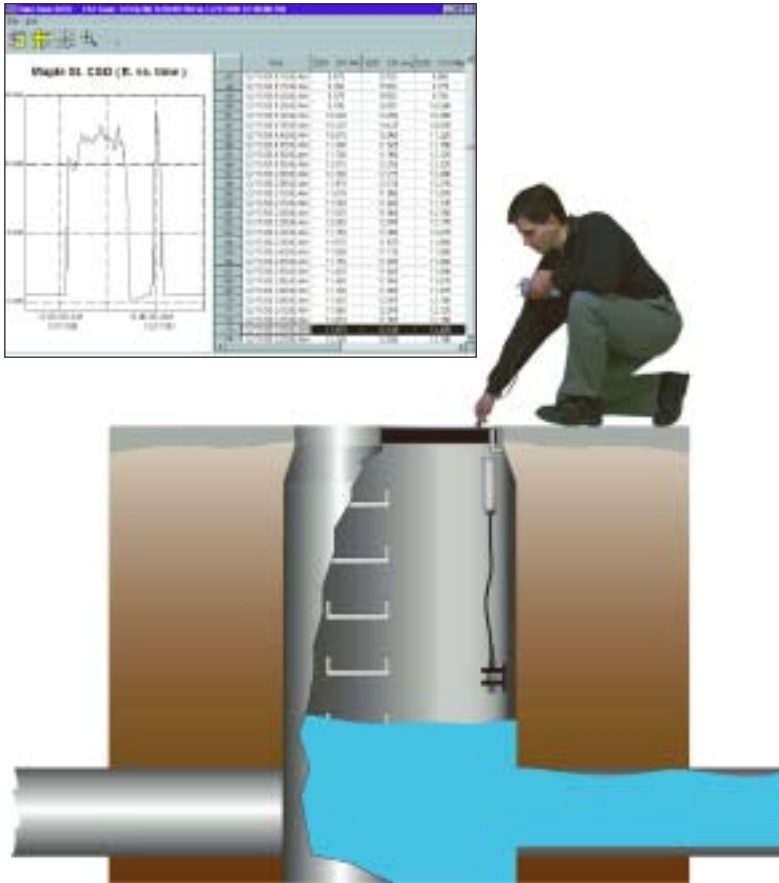


SSO-31 CSO/SSO Monitor

No Confined Entry CSO/SSO Monitoring



**Captures CSO/SSO:
Event Time Stamp
Level
Duration**

**No Confined Entry
Data Collection**

7 Year Battery Life

**Windows® Software
Support**

Telog's SSO-31 is intended for permanent installation in sanitary sewer man-holes or vaults to capture CSO (combined sewer overflow) and/or SSO (sanitary sewer overflow) events. The SSO-31 continuously monitors and records water level using a pressure sensor and captures CSO/SSO events including the duration, level and time stamp of each event. Data may be collected from the recorder with a hand-held data transfer unit (i.e. Palm Pilot or portable PC) without entering the confined space.

The recorder is packaged within a submersible enclosure rated NEMA 6P (IP-67) and designed for short term emersion during overflow events. It uses a user replaceable AA lithium battery to power the recorder for up to seven years. Mounting brackets are provided with the SSO monitoring system to hang the recorder from the top and attach the sensor to the side wall of the man-hole or vault. All exposed metal components of the recorder, sensor and mounting brackets are 316 Stainless Steel.

For information on other Telog data recorder products including our wireless SSO monitoring systems, call us at **585.742.3000**, email: **TelogSales@telog.com**, or visit us at: **www.telog.com**



SSO-31 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.

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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-10B
Type	Strain gauge pressure sensor
Range	10 PSI standard (0 to 22 feet of level) (contact Telog for alternate pressure ranges)
Accuracy	
Non-linearity	+/- 0.25% 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
Sensor length	115 mm (4.5")
Sensor diameter (max)	21.6 mm (0.85")
Sensor weight	170g (6 oz) nominal
Sensor body material	316 stainless steel
Cable	vented polyurethane 6.4mm diameter (1/4")
Cable length	25 feet (contact Telog for alternate cable lengths)
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.
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