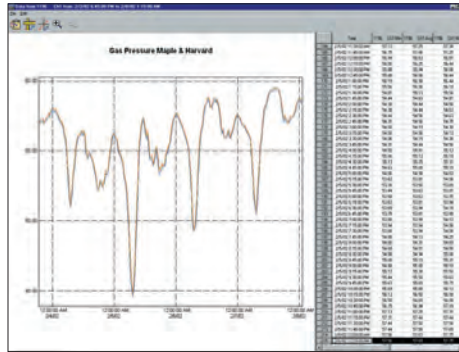


LPR-31 Pressure Recorder

Monitor Water or Gas with Telog's LPR-31



Telog's LPR-31 Line Pressure Recorder is intended for temporary or permanent installation on water and gas utility distribution system lines. The LPR-31 continuously monitors and records line pressure using an internal strain gauge pressure sensor. Sample rates are user programmable up to 4 samples per second and data may be saved as the computed statistics at user programmable intervals from once per second to every 8 hours.

The LPR-31 can store 5 minute minimum, maximum and average values for over 90 days. Recorded data may be gathered via an RS-232 connector using a hand-held DTU (Data Transfer Unit) or a laptop. The DTU is especially convenient for gathering data from several hydrant pressure recorders. At times when on-site data evaluation is required, a laptop and Telogers for Windows software, is all you need.

The recorder is packaged within a 5.5 inch x 1.8 inch, submersible stainless steel enclosure rated NEMA 6 (IP-67) . It employs a user replaceable AA lithium battery to power the recorder typically for five years. One end of the cylindrical recorder body provides a 1/4 FNPT fitting for the pressure connection and the other end provides a water tight connector for data extraction. The recorder electronics are not exposed during data collection.

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



Unattended Pressure Recording of Water & Gas Lines

5 Year Battery Life

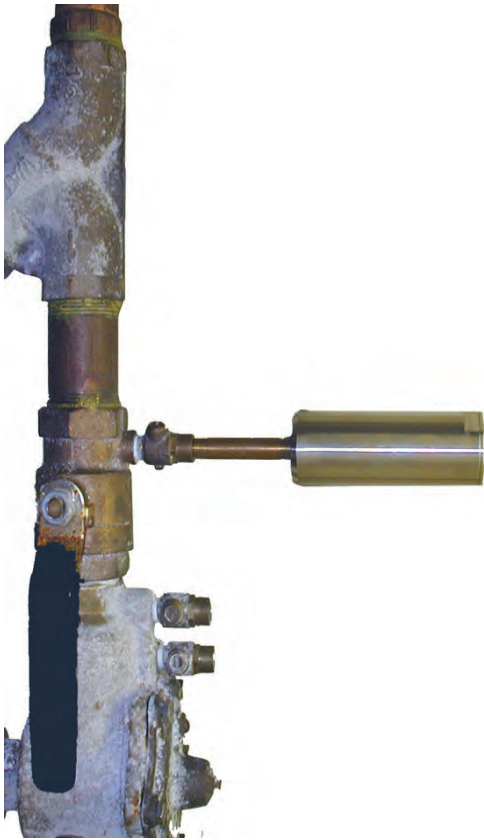
1/4" Female NPT Fitting

Submersible Enclosure

Palm Pilot Data Transfer Support

Windows® Software Support

LPR-31 Specifications



Pressure Connection

Thread	1/4" NPT female
Compatibility	Liquid and gases compatible with 316 L SS

Sensor

Type	Strain gauge, isolated pressure sensor
Range (psi)	5, 30, 100, 200, 300, 500 (contact Telog for other ranges)
Over Pressure (psi)	15, 90, 300, 600, 900, 1200
Burst Pressure (psi)	25, 150, 500, 1000, 1500, 2400 Contact Telog for additional ranges
Resolution	0.025% of full scale, 12-bit
Accuracy	±0.25% of full scale at constant temperature
Temperature Effect	±0.015% of full scale per °F

Recording

Sample rate	Programmable from 4/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	5 years typical

Support Software

S-3PC	Telogers for Windows
S-3PCL	Telogers for Windows Lite
Data Transfer Unit	IP-67 rated PDA running Palm OS and Telog application program

Physical

Temperature range	-40°F to +150°F
Environmental	Submersible to NEMA 6 (IP-67)
Enclosure	316 stainless steel
Pressure vent	0.2 micron Gore-Tex filter
Size	5.5" long x 1.75" diameter
Weight	2.2 lbs



Telog Instruments, Inc.

830 Canning Parkway, Victor, NY 14564-8940, USA
Phone: 585.742.3000 • Fax: 585.742.3006
E-mail: TelogSales@telog.com • www.telog.com

Specifications within this brochure are subject to change without notification.

Telog® is a registered trademark and Telogers™ is a trademark of Telog Instruments, Inc.
Windows® is a registered trademark of Microsoft Corporation.
Palm® is a registered trademark of Palm, Inc.