



Telog HPR-32A

WIRELESS, BATTERY-POWERED HYDRANT PRESSURE MONITORING

PRESSURE MONITORING AND MANAGEMENT MADE SIMPLE

The Telog HPR-32A is an ideal pressure monitoring solution for pressure concerns, fire flow testing and hydraulic model calibration.

Trimble Unity software combined with Telog wireless hydrant pressure recorders provide a GIS-centric cloud and mobile platform for monitoring system pressures, and trends, min, max and average pressure history at any user defined interval. Telog hydrant pressure recorders can store data internally for many months and wirelessly transmit on a defined schedule to provide alerts and alarms in response to pressure faults, delivering a complete solution for proactive pressure and leakage monitoring and management.

Wireless Communication

The power of every 32 series recorder from Trimble Telog is wireless data transfer capability. Using cellular technology enables unmanned monitoring of remote sites as well as instant updates and alarm notifications. The HPR-32A uses a low power, LTE Cat M1 cellular communication modem certified on Verizon Wireless.

Battery Power

All Trimble Telog hydrant pressure recorders have low power requirements so they can be battery operated. The HPR-32A series uses a BP-4 lithium battery pack. At one call per day the battery will last up to five years.

Packaging and Installation

Every hydrant pressure recorder from Trimble Telog is a low-profile, rugged unit that is easily installed by one person on a standard 2.5 inch hose nozzle outlet. For ease of mind an optional security cover can be used to prevent vandalism. Once installed, data is immediately available using Telogers for Windows or Telog Enterprise software.

Software Support

The Trimble Telog HPR-32A is compatible with all Trimble software applications, including Trimble Unity, Telog Enterprise and Telogers for Windows application software. This ensures that utilities have a complete solution addressing all their remote monitoring needs across their operations, delivered in a manner that suits each individual utility's operations and IT needs.

Applications

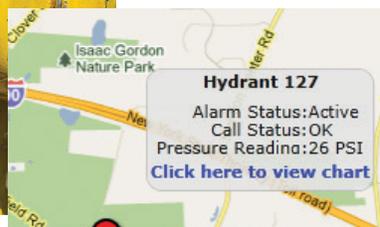
- ▶ Customer pressure complaint investigation
- ▶ Pressure loss testing
- ▶ System pressure monitoring
- ▶ Calibrating hydraulic models
- ▶ Fire flow testing
- ▶ Hydrant capacity testing
- ▶ Sampling to 4 samples/second

Benefits

- ▶ Reduce non-revenue water leakage and water main bursts
- ▶ Improve customer service and response time
- ▶ Monitor and optimize water supply and operations
- ▶ Real-time situational awareness on water pressure and supply

Features

- ▶ Wireless communication via cellular (LTE)
- ▶ Alarm notification
- ▶ Time stamped events
- ▶ Integral antenna
- ▶ 5 year battery life

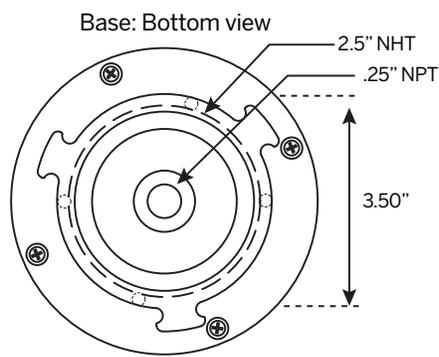
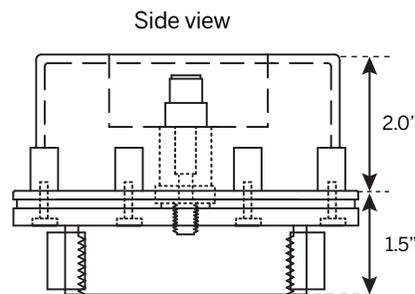
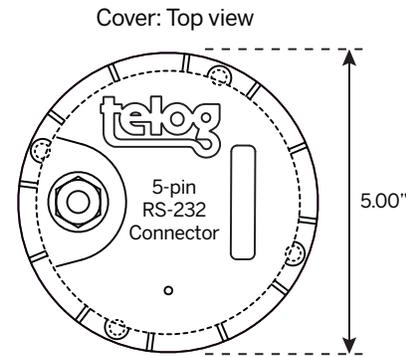


View exact location of your hydrant pressure recorders on a map

Telog HPR-32A SPECIFICATIONS

RECORDER MODEL: Telog HPR-32A

Type	Strain gauge, isolated pressure sensor with wireless
Range (psi)	100, 200, 300 (contact Telog for other ranges)
Over pressure (psi)	300, 600, 600
Burst pressure (psi)	850, 1000, 1000
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	~82,000 data values
Communication	
Local RS-232	5 pin circular connector rated IP67 Auto-selected baud rate to 19.2 kbaud
Cellular	Telog Internal Modem certified on LTE Cat M1 for Verizon in USA, LTE Cat1 on Sprint in USA. HSPA modem certified on Bell in Canada
Local Bluetooth BLE 4.1	Bluetooth low energy max range is 20 feet in open field line of site.
Battery	Factory installed, field replaceable Telog BP-4 lithium battery pack
Battery Life	Up to 2800 data calls to host computer
Examples:	
	6 years with Daily Data Transfers, 4 Samples per second (HPR-32A and HPR-32Ai)
	28 months with Daily Data Transfers, 128 Samples per second (HPR-32Ai)
	14 months with Daily Data Transfers, 256 Samples per second (HPR-32Ai)
	(@ medium to excellent signal strength)
Support Software	
S-3PC	Telogers for Windows® 6.51 or later
S-3EP	Telog® Enterprise 6.51 or later
TW-UNITY	Trimble Unity
Environmental	
Temperature	
Operating	40° to 150°F [4° to 66°C]
Storage	-40° to 150°F [-40° to 66°C]
NOTE: For applications below this operating range please contact your Trimble Telog support team.	
Humidity	0-100% relative humidity
Enclosure	NEMA 4x/IEC IP65
Size	5" diameter x 3.5"
Thread*	Hydrant mount: 2.50" NHT standard, Contact Telog for non standard thread
(see side view)	Internal mount: 1/4" NPT
Security Cover	High impact nylon security cover. Choose from gray, red or yellow to best match hydrant color. Lockout hasps included.



High impact nylon security cover prevents vandalism. Security cover color options are yellow, red or gray.



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