



# Tellog HPR-32



## WIRELESS, BATTERY-POWERED HYDRANT PRESSURE MONITORING

### PRESSURE MONITORING AND MANAGEMENT MADE SIMPLE

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

Trimble Unity software combined with Tellog 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. Tellog 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 Tellog is wireless data transfer capability. Using cellular technology enables unmanned monitoring of remote sites as well as instant updates and alarm notifications.

#### Battery Power

All Tellog hydrant pressure recorders have low power requirements so they can be battery operated. The HPR-32 series uses a single, user-replaceable D cell lithium battery. At a typical two calls per day, the battery will last up to five years.

#### Packaging and Installation

Every hydrant pressure recorder from Tellog 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 Tellogers for Windows or Tellog Enterprise software.

#### Software Support

The Tellog HPR-32 is compatible with all Tellog software applications, including Tellog Online (cloud), Tellog Enterprise and Tellogers 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

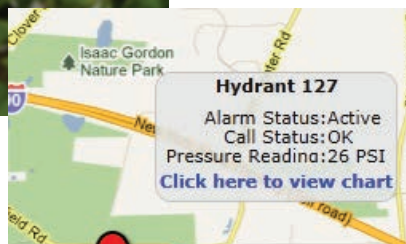
- ▶ Customer pressure complaint investigation
- ▶ Pressure loss testing
- ▶ System pressure monitoring
- ▶ Calibrating hydraulic models
- ▶ Fire flow testing
- ▶ Hydrant capacity testing
- ▶ High speed sampling to 4 samples/second

### 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 of water pressure and supply

### Features

- ▶ Wireless communication
- ▶ Alarm notification
- ▶ Time stamped events
- ▶ Integral antenna
- ▶ 5 year battery life



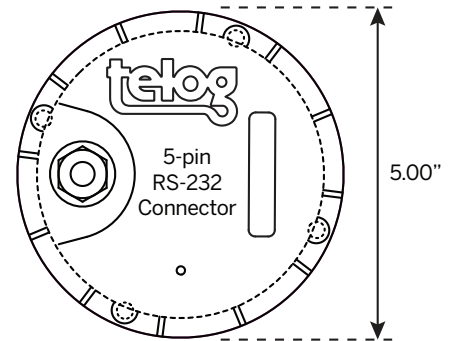
View exact location of your hydrant pressure recorders on a map

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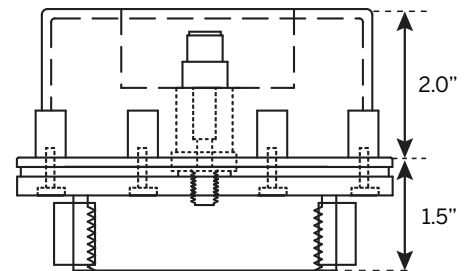
**RECORDER MODEL: Telog HPR-32**

<b>Type</b>	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
<b>Recording</b>	
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)
<b>Communication</b>	
Local RS-232	5 pin circular connector rated IP67 Auto-selected baud rate to 19.2 kbaud
Cellular	Internal Telog WM/C embedded 1xRTT modem certified on Sprint & Verizon in USA WM/H HSPA modem certified on Bell in Canada Dual band internal antenna
<b>Battery</b>	
Battery Life	Factory installed single 3.6V Lithium D cell Saft LSH20 or equal 3800 data calls to host computer Examples: 5 years @ 2 calls/day 2 years @ 5 calls/day 1 year @ 10 calls/day (@ 5 second sampling or less and good cellular signal strength)
<b>Support Software</b>	
S-3PC	Telogers for Windows
S-3EP	Telog Enterprise
DHS-Service	Telog Onine
TW-UNITY	Trmble Unity
<b>Environmental</b>	
Temperature	
Operating	14° to 150°F
Storage	-40° to 150°F
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 Internal mount: 1/4" NPT
(see side view)	
Security Cover	High impact nylon security cover. Choose from gray, red or yellow to best match hydrant color. Lockout hasps included.

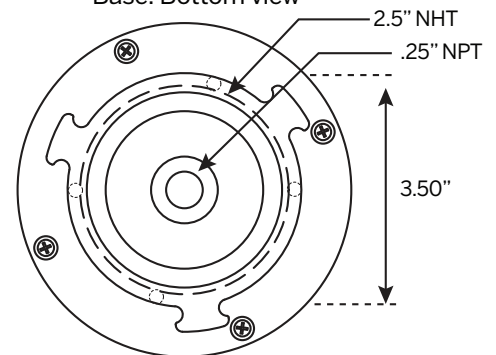
Cover: Top view



Side view



Base: Bottom view



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

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