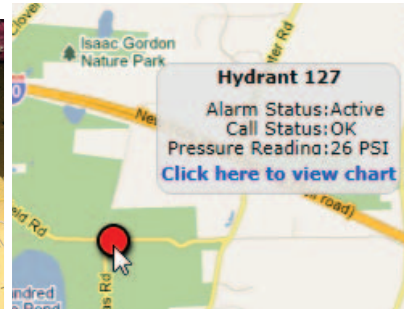


# HPR-32 Series Hydrant Pressure Recorder

Paperless, Wireless Pressure Recording, No More Chart Recorders



View exact location of your hydrant pressure recorders on a map.

Telog's original line of hydrant pressure recorders was designed to replace costly, high maintenance chart recorders for monitoring water pressure in distribution systems. The HPR-32 series is Telog's next generation of paperless, hydrant pressure recorders and incorporates wireless technology for hands-off data transfer straight to your desktop.

## Applications Include:

- Investigating pressure complaints
- Fire flow testing
- Pressure loss tests
- Calibrating hydraulic models
- Monitoring system pressures
- Hydrant capacity testing
- High speed sampling to 20 s/s

## Features

**Wireless Communication:** The power of every 32 series recorder from Telog is wireless data transfer capability. Using wireless technology enables unmanned monitoring of remote sites as well as instant updates and alarm notifications.

**GPS:** The HPR-32G and HPR-32iG recorders are equipped with an optional GPS feature. GPS combined with Telogers Enterprise web module allows users to spatially correlate HPR field data automatically. When the HPR-32 calls in, it can be instantly tied to the HPR's location and displayed on the map.

**Impulse Detection:** The HPR-32i and HPR-32iG are pressure impulse recorders that capture and store the waveform of water hammer and negative pressure transient events.

**Battery Power:** All Telog 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 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.

For more information call **585.742.3000**, email **TelogSales@telog.com**, or visit us at **www.telog.com**.



**Wireless Monitoring**

**Impulse Detection**

**Replaces Chart Recorders**

**Cellular Communication**

**Integral Antenna**

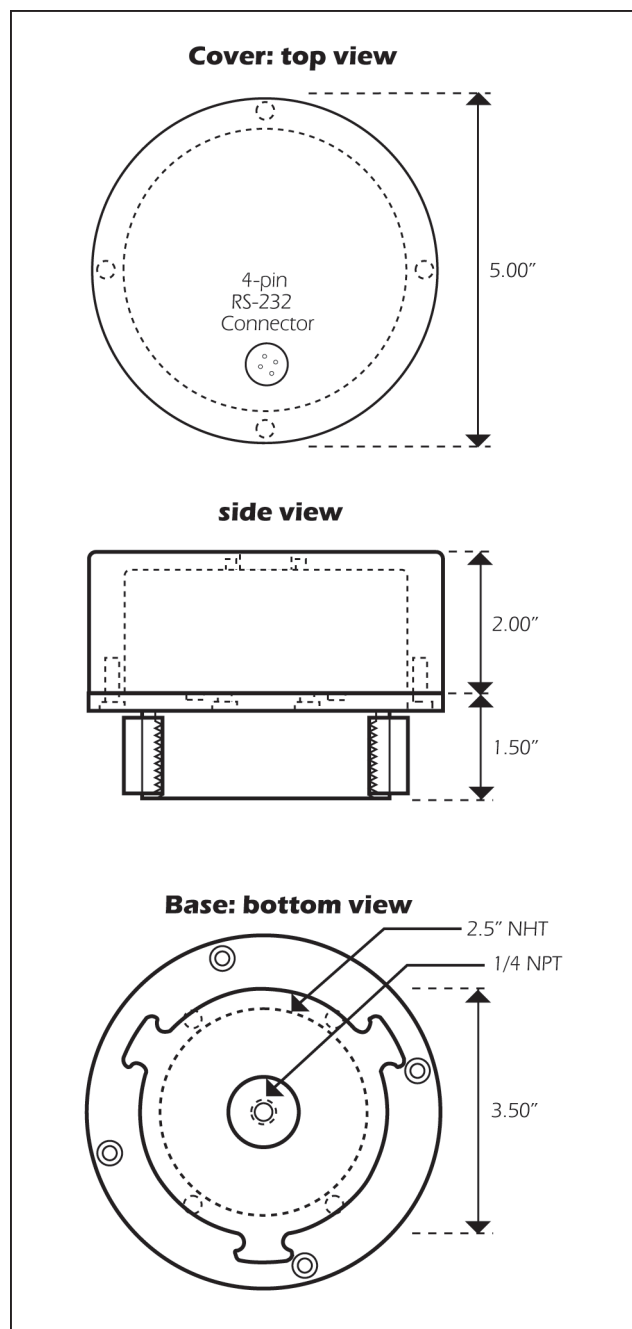
**Battery Powered With  
Single 'D' cell Lithium  
Battery**

**Five year Operating Life at  
Two Calls Per Day**

**Supported by  
Telog Enterprise &  
Telogers for Windows**

**Optional Built-In GPS**

# HPR-32 Specifications



## Input

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	±0.01% of full scale per °C

## 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)

## Communication

Local RS-232	4 pin circular connector rated IP-67 Auto-selected baud rate to 19.2K
Cellular	Internal Telog WM/C cellular modem 1xRTT via CDMA certified on Sprint, Verizon Wireless and Bell Canada

## Battery

Factory installed single 3.6V Lithium D cell  
Saft LSH 20 or Equal

## Battery Life

5000 data calls to host Computer  
Examples: 5 years @ 2 calls/day  
2 years @ 6 calls/day  
1 year @ 12 calls/day

## Support Software

S-3PC	Telogs for Windows
S-3EP	Telog Enterprise
Data transfer unit	IP-67 rated PDA running Palm OS and Telog

## Environmental and Mechanical

Temperature	
Operating	-10° to 65°
Storage	-40° to 65° C
Humidity	0-100% relative humidity
Enclosure	NEMA 4x/IEC IP65
Size	12.70 cm diameter x 8.89 cm 5" diameter x 3.5"
Thread*	Hydrant mount: 2.50" NHT standard, (see side view) Contact Telog for non standard thread
	Internal mount: 1/4" NPT



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