

# MR-32 Meter Register Recorder

Wireless, Cellular Water Meter Totalizer and Flow Monitoring



Telog's MR-32 establishes a new standard in low power, low cost wireless communication RTUs for monitoring water meter totalizer registers and interval flow history.

Powered by a single user replaceable D cell lithium battery, the MR-32 collects the absolute totalizer value from one or two meter registers at periodic intervals defined by the user; e.g. every 5 minutes. The interval flow volume is then obtained by computing the difference between register reads. The interval flow (gallons or other units) and the interval register values are transferred to the host computer at a user defined rate, e.g. hourly, daily etc. The data path is over the cellular network to the Internet to the user's computer, or Telog's Data Hosting Service. The

MR-32 can operate up to five years making on average two calls per day.

The MR-32 is intended to monitor single or compound water meters that satisfy a 3-wire AMR/AMI serial protocol e.g. Sensus Protocol and compatibles. When working with compound meters, the MR-32 will provide individual meter register reads and totals as well as combined interval totals.

For more information on the MR-32 or other Telog products:

Call us at **585.742.3000**

Email [TelogSales@telog.com](mailto:TelogSales@telog.com)

Or visit us at [www.telog.com](http://www.telog.com).

**Record Flow Totals at User Defined Intervals**

**Cellular Communication**

**Integral Antenna**

**Small Size**

**Easy Installation**

**5 Year Battery Life at 2 Calls/Day**

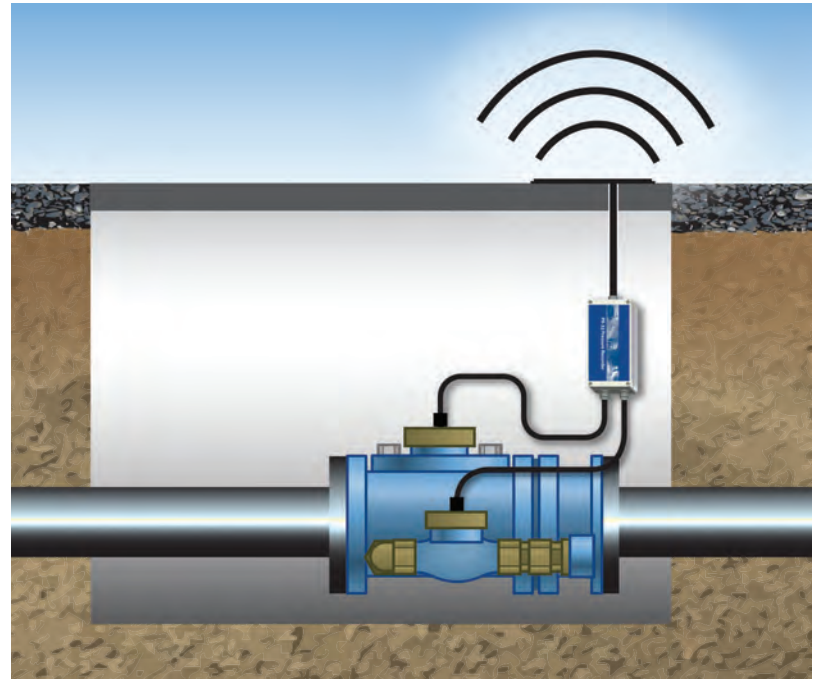
**User Replaceable 'D' cell Lithium Battery**

**Supported by Telog Enterprise Telogers for Windows & Telog's Data Hosting Service**



# MR-32 Specifications

<b>Recorder</b>	
<b>Model</b>	Telog MR-32
Type	Single or dual input meter register recorder
<b>Recording</b>	
Meter register inputs	Reads absolute encoded register values; 4 thru 9 digits in length 3-wire synchronous interface, ASCII coded E.g. Sensus ECR, Neptune ProRead (3-wire), Badger ADE & HR-E, etc.
<b>Memory</b>	
Size: 128 Kbytes	
Storage method	Wrap around (first-in; first-out),
Data capacity	60,000 Interval flow values 20,000 Meter register values
<b>Communication:</b>	
Local RS-232	4 pin circular connector rated IP-67 Auto-selected baud rate to 19.2K
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; external antenna option available
<b>Battery</b>	Factory installed single 3.6V Lithium D cell Saft LSH 20 or equal
<b>Battery Life</b>	3800 data calls to host computer Examples: 5 years @ 2 calls/day 2 years @ 6 calls/day 1 year @ 12 calls/day
<b>Enclosure</b>	
Size	6.30 x 3.2 x 2.2 inches; LxWxH
Weight	2 lbs.
Material	Polycarbonate
<b>Environmental</b>	
Temperature	-40 to 70°C
Rating	NEMA 4x (IP66)
<b>Support Software</b>	
S-3PC	Telogers for Windows
S-3EP	Telog Enterprise
Data transfer unit	IP-67 rated PDA running Palm OS and Telog



MR-32 on compound water meter

## Additional Application Solutions from Telog

### Rainfall Monitoring



- Wireless Monitoring
- Tipping bucket rain gauge monitor
- Alarm notification
- Five year operating life
- Web application software

### PRV Monitoring



- PRV inlet/outlet pressure
- PRV differential pressure
- PRV valve position sensor
- Computed flow



The buriable antenna is used for underground remote data transmission where fixed cellular antennas cannot be used.



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