



Tellog RG-32



WIRELESS, BATTERY-POWERED RAIN GAUGE RECORDER



LOW POWER, LOW COST WIRELESS COMMUNICATION DATA RECORDERS FOR RAIN GAUGE MONITORING

When you combine the Tellog RG-32 rain gauge recorder and Tellog Online, cloud solution, you have a powerful system of wireless water infrastructure monitoring that is consistently delivering real-time data from the field straight to your desktop. Imagine....all your data on one platform straight to your computer screen.

Wireless Communication

The Tellog RG-32 employs a Tellog proprietary, low power m2m cellular modem certified for operation on the Sprint, Verizon Wireless and Bell Canada cellular networks.

Collecting Data

The Tellog RG-32 may be configured to call its host application on a schedule (e.g. once per day; every four hours, etc.) and/or on alarm (e.g. in response to a major rainfall event). Data may be stored in the recorder at user defined intervals (e.g. five minutes, one minute, etc.) without concern for data loss because the recorder will store over 80,000 interval totals before overwriting the oldest data.

Packaging

The cellular modem, antenna, process signal conditioning, data recorder and battery are integrated into an IP66 rated Nema 4x enclosure for a combined weight of two pounds and measuring 6.5 x 3 x 2.2 inches (L x W x H). The Tellog RG-32 is small enough to install on the pole or mounting platform attaching the rain gauge. Because the antenna is enclosed within the Tellog RG-32, the only connection required is the rain gauge.

Battery Powered

Powered by a single user replaceable 'D' cell lithium battery, the Tellog RG-32 continuously monitors the output of a tipping bucket rain gauge collecting rainfall data in user defined time increments then transfers the data automatically over a cellular network to a central host computer. The Tellog RG-32 can operate up to five years making on average two calls per day.

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 requirements delivered in a manner that suits each individual utility's operations and IT needs.

Application

- ▶ Remote monitoring of tipping bucket style rain gauges

Benefits

- ▶ Improve asset performance, reduce leakage and pipeline failures
- ▶ Monitor and optimize water and site operations and compliance
- ▶ Real-time situational awareness of rainfall and weather related events

Features

- ▶ Wireless communication via cellular
- ▶ Alarm notification
- ▶ Time stamped events
- ▶ User programmable
- ▶ 5 year battery life
- ▶ IP66 Rating

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RECORDER MODEL: Telog RG-32

Type Single channel pulse/event recorder with wireless modem

Recording

Pulse Input Total pulse counts/interval; intervals selectable from 1/sec to 8 hrs
 Time stamp of on/off events to one second resolution

Event Input Contact closure or logic driven input
 Input 3 VDC at 20 µAmps (max)
 Excitation 10 mS minimum
 Pulse width 2 position terminal block for flying leads via water tight fitting
 Connection

Memory

Size 128 Kbytes
 Storage method Wrap around (first-in; first-out)
 Data capacity 80,000 interval pulse totals
 Pulse input 60,000 event time stamps
 Event input

Communication:

Local RS-232 5 pin circular connector rated IP67
 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

Battery

Factory installed single 3.6V Lithium 'D' cell
 Saft LSH 20 or equal
 Battery Life 3800 data calls to host computer
 Examples: 5 years @ 2 calls/day
 2 years @ 6 calls/day
 1 year @ 12 calls/day



Enclosure

Size 6.30" L x 3.2" W x 2.2" H
 Weight 2 lbs.
 Material Polycarbonate

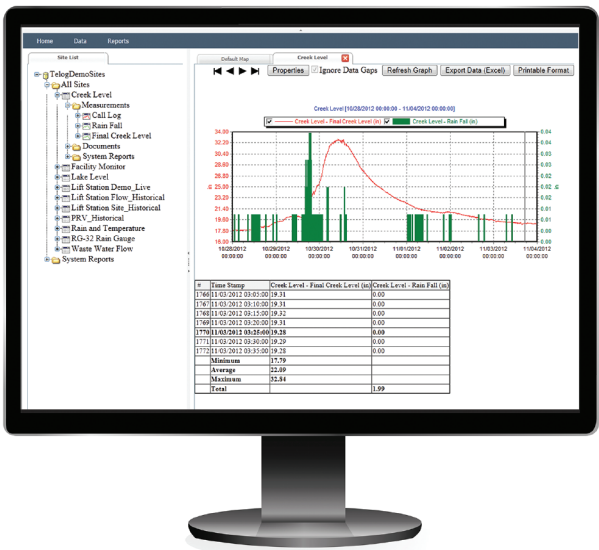
Environmental

Temperature -40 to 158°F

Rating NEMA 4x (IP66)

Support Software

S-3PC Telogers for Windows®
 S-3EP Telog® Enterprise
 DHS-Service Telog Online
 TW-UNITY Trimble Unity



Rainfall & Creek Level

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830 Canning Parkway
 Victor, NY 14564 USA
 Phone: 585.742.3000
 Fax: 585.742.3006
 TrimbleWater_ContactUs@trimble.com
 www.trimblewater.com