

Telog's RS-33 Remote Teloger Unit

Wireless RTU For Above Ground Remote Monitoring



Collecting, analyzing and understanding data from networks of recording sites is a challenging task. Telog's recording system, the RS-33, offers you a versatile, economical and comprehensive solution to keep up with the data acquisition demands of today. The RS-33 is a system package so flexible it can be customized for each application to provide you with the information you need in a concise, presentable format.

The Telog RS-33 includes a multichannel recorder, power source and communications option all packaged within a NEMA 4X rated, environmental enclosure with watertight fittings for sensors, power and antenna connections:

A Multichannel Telog Recorder—your RS-33 system is available with any of Telog's R-3300 multichannel data recorders offering up to eight analog and six digital inputs. See individual R-3300 data sheets and the Telogers product brochure for more information.

Communications Options—excellent communications links with robust data integrity are available between the RS-33 and Telogers for Windows or Telogers Enterprise. Communications options include a simple, direct RS-232 connection of recorder to a laptop or Telog's hand-held data transfer unit; Cellular via Internet; switched circuit cellular; Ethernet; land-line phone; spread spectrum; Licensed radio; satellite.

Power Source—the low power requirements of the RS-33 system permits operation from a choice of utility, solar or primary battery options.

You can choose from a wide range of sensors we have available or ask us to interface with your sensors.

For more information call us at 585.742.3000
or email: TelogSales@telog.com



Some Remote Monitoring Applications:

- Tank Level
- Pump Station Performance
- I&I Studies
- Distribution Pressures
- Rain Fall

Communicate Via:

Cellular via Internet:

- GPRS
- 1xRTT

Switched Circuit Cellular

- CDMA
- GSM

Supported Cellular Networks

- Verizon Wireless
- Cingular/AT&T
- Sprint/Nextel

Ethernet

- LAN
- WAN

Satellite

Spread Spectrum Radio

Licensed Radio

Telephone

Hand Held Data Transfer Unit

Powered By:

- 120/240 AC with battery backup
- Solar panel with battery backup
- Battery Only

Specifying an RS-33 Telog Recording Telemetry Unit

1. First, Select a Recorder

R-3303	3-channel Recorder, Three digital input channels
R-3307	7-channel Recorder Four analog and three digital input channels
R-3308	8-channel Recorder Five analog (one dedicated to ambient temperature) and three digital input channels with pulsed sensor excitation
R-3314	14-channel Recorder Eight analog and six digital input channels

2. Next, Select a Communications Option

T24	2400-baud telephone Modem
GSM	GSM Cellular Modem
GPRS	GPRS General Packet Radio service
CDMA	CDMA Cellular Modem
1xRTT	Cellular Packet Modem
eNET	Ethernet Communication Module
SSR	Spread spectrum radio modem

3. Specify a Power Source

B10A	10-amp-hour alkaline battery pack
B10L	10 amp-hour lithium battery pack
ACP	120 VAC-15VDC plug-in power supply
AC12	120/240 VAC to 12 VDC panel mount power supply
AC12B4	AC to 12 VDC with battery backup
AC24	120/240 VAC to 24 VDC panel mount power supply
S5/4	5 Watt solar power with 4 amp-hour rechargeable battery

4. Specify a Product Model Number

RS-33xx-Communications-Power
Example: RS-3308-1xRTT-B10A

The RS-33 Recording System

Powered By:

AC
Solar
Battery



Recording:

I&I	Pump run-time
Level	Motor run-time
Flow	Rain fall
Pressure	Temperature
Steam	Relative Humidity



Communicate Via:

Hand-held DTU or laptop
Telephone
Cellular Radio
Spread Spectrum Radio

Reporting Simplified

Alarm call-in
View real-time readings
Scheduled call times
Alarm paging



Telogers for Windows:

Channels from recorders located throughout a network may be viewed together for easy comparison and data analysis.



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