

BlueTrack Technologies

Technology you can trust, Progress you can measure

Product Overview

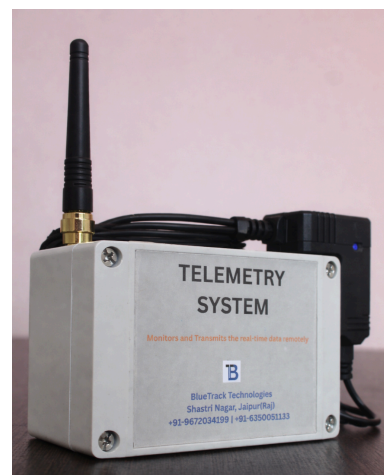
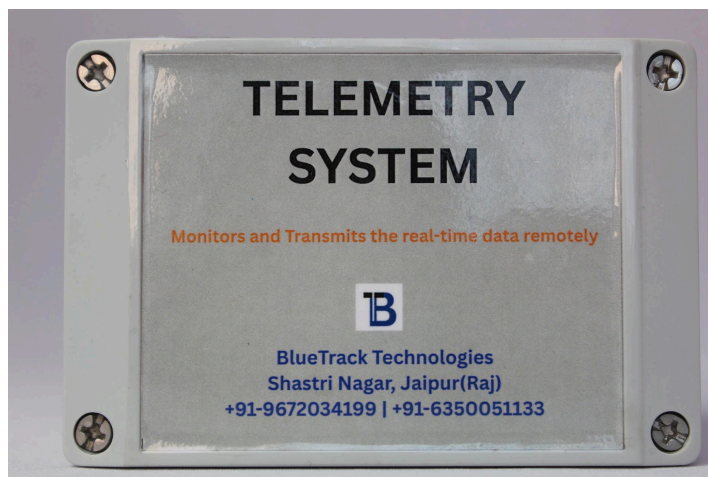
The **Telemetry System / Data Logger** is a reliable solution for remote data acquisition, storage, and transmission from field instruments such as flow meters, water level sensors, piezometers, pressure sensors, and quality analyzers. It enables **real-time monitoring**, **historical data logging**, and **centralized server integration** for industrial, environmental, and utility applications.

This system is ideal for locations where continuous monitoring and remote access to data are required with minimal human intervention.

Key Features

- ✓ Real-time remote monitoring
 - ✓ Multi-channel data acquisition
 - ✓ Supports analog, digital & serial sensors
 - ✓ Time-stamped data logging
 - ✓ GSM / GPRS / 4G / NB-IoT communication
 - ✓ Low power consumption for remote sites
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Product Image



Technical Specifications (Quick View)

Parameter	Specification
System Type	Telemetry Unit / Data Logger
Input Signals	4–20 mA, 0–5V, Pulse, Digital
Communication Ports	RS485, RS232, SDI-12
Protocols Supported	Modbus RTU / TCP
Channels	4 / 8 / 16 (customizable)
Data Logging Interval	1 sec to 24 hrs (programmable)
Memory	Internal Flash / SD Card
Communication	GSM / GPRS / 4G / NB-IoT / LoRa
Power Supply	12V DC / Battery / Solar
Antenna	External high-gain antenna
Enclosure	IP65 / IP67
Operating Temperature	-10°C to +60°C

Applications

-  Water & Wastewater Monitoring
 -  Telemetry for Flow, Level & Pressure
 -  Industrial Process Monitoring
 -  Environmental Monitoring
 -  Government & Smart Infrastructure Projects
 -  Remote & Unmanned Sites
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Advantages

- Reduces manual data collection
 - Improves operational efficiency
 - Reliable long-term data storage
 - Easy integration with PLC / SCADA / Cloud
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Optional Features


- Web-based dashboard & mobile app
 - SMS / Email alerts
 - GPS location tracking
 - Solar power system
 - IoT cloud & API integration
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Support & Customization

- Custom I/O configuration
 - Server & dashboard integration
 - Firmware customization
 - Installation & commissioning support
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Company Details

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This document is intended for quick reference and preliminary selection. Specifications are subject to change without prior notice.