

# BlueTrack Technologies

Technology you can trust, Progress you can measure

## Product Overview

**DWLR with Piezometer** is a high-precision monitoring solution designed for continuous measurement of groundwater level and pressure in borewells, open wells, and piezometer installations. It is widely used for hydrology studies, groundwater management, mining, irrigation, and government monitoring projects.

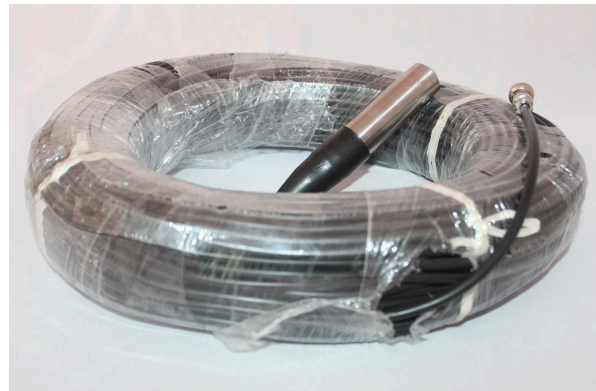
The system consists of a **submersible piezometer sensor**, **data logger**, and optional **telemetry (GSM/GPRS/IoT)** for real-time remote monitoring.

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## Key Features

- ✓ Accurate groundwater level & pressure measurement
  - ✓ Submersible piezometer sensor (stainless steel)
  - ✓ Long-term stable performance
  - ✓ Data logging with time & date stamp
  - ✓ GSM/GPRS / IoT based remote data transmission (optional)
  - ✓ Low power consumption – ideal for remote locations
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## Product Image



## Technical Specifications (Quick View)

| Parameter             | Specification                               |
|-----------------------|---|
| Measurement Type      | Water Level / Pressure                      |
| Sensor Type           | Submersible Piezometer                      |
| Measurement Range     | 0–10 m / 20 m / 50 m / 100 m (customizable) |
| Accuracy              | ±0.25% FS or better                         |
| Resolution            | 1 mm  |
| Output                | RS485 (Modbus RTU), SDI-12 (optional)       |
| Data Logging Interval | 1 min to 24 hrs (programmable)              |
| Memory                | Internal Flash / SD Card                    |
| Power Supply          | Lithium Battery / Solar / 12V DC            |
| Communication         | GSM / GPRS / NB-IoT / LoRa (optional)       |
| Enclosure             | IP68 (sensor), IP65 (logger)                |
| Operating Temperature | 0 – 60°C                                    |

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## Applications

-  Groundwater Level Monitoring
  -  Irrigation & Agriculture Projects
  -  Hydrology & Water Resource Studies
  -  Mining & Construction Sites
  -  Government & CPCB / CGWB Projects
  -  Industrial Borewell Monitoring
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## Advantages

- Continuous & unattended monitoring
  - Reliable data for long-term studies
  - Suitable for deep borewells
  - Easy installation & minimal maintenance
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## Optional Features


- Telemetry dashboard & cloud access
  - SMS / Email alerts
  - Solar power system
  - Multi-parameter monitoring (level + temperature)
  - Integration with centralized server
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## Support & Customization

- Range & cable length customization
  - Server / dashboard integration
  - Installation & commissioning support
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## Company Details

### Bluetrack Technologies

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