

## DWLQR:

DWLQR: DWLQR is a system which complies with the CGWA Guidelines to measure groundwater level & quality. It is designed to calculate the water column based on the hydrostatic pressure & water quality parameters, alike TDS, pH, Electrical Conductivity & optional parameters. This system is used for water e-Governance to monitor the water level in the aquifer/resource as mandated by the CGWA.

Parameter	Unit	Typical Sensor Range	Acceptable Groundwater Range
pH	pH	0 – 14	6.5 – 8.5
EC	µS/cm	0 – 20,000	500 – 2,500
TDS	mg/L	0 – 10,000	300 – 2,000
COD	mg/L	0 – 1,000	< 10
BOD	mg/L	0 – 300	< 2 – 3
Temperature	°C	-5 – 60	10 – 35
Turbidity	NTU	0 – 1,000	< 1 – 5
Nitrate	mg/L	0 – 100	< 45 – 50
Sulphate	mg/L	0 – 2,000	< 200 – 400
Fluoride	mg/L	0 – 10	0.6 – 1.5
TSS	mg/L	0 – 1,000	< 10 – 50

## 2 DWLQR models:

All models are CGWA Guidelines Compliant

### 5 Communicator specifications:

#### Communicator (mounted inside the Stand pole)

Display	4 rows x 16 characters with backlight
Menu operation	4 tactile keys
Power supply	Internal Battery or external Grid power 230±10% V AC
Operating temperature	0 to +50 °C (32 to 122 °F)
Storage temperature	-10 to +60 °C (14 to 140 °F)
Ingress Protection rating	IP65

#### Telemetry option

Data transfer	Via in-built GPRS modem
Configurable parameters	Server address Data transmit frequency

#### Non-Telemetry option

Local data storage	500 MB sufficient for more than 2 years
Data transfer	Via USB port
Software	Utility to transfer data to user laptop or computer



DWLQR System



## DWLQR:

- Groundwater level & quality monitoring
- Borewell and open well water quality monitoring
- Water supply and distribution networks
- Industrial water quality management
- Irrigation and agricultural water monitoring
- Municipal and smart city projects

DWLQR Model	Troll signal OP	Data transfer	Digital reporting	Local data store	Power source
BDWLQR-TB- 1802	RS485	Telemetry	Yes	No	Battery & Solar
BDWLQR-TG-1802	RS485	Telemetry	Yes	No	Grid



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## Services:

- Product Sales
- Installation
- Data Management and Security
- Maintenance
- Legal Compliance

## DIGITAL WATER LEVEL QUALITY RECORDER (DWLQR)

Technical Brochure

