



**PiezoMate**  
GROUNDWATER MONITORING  
SYSTEM



## Groundwater Management

Automated Earth Pore Pressure & Water Level Monitoring

### Features and benefits

- Suitable for standpipes & fully grouted installations
- Uses wireless technology
- Plug and play - simple to install
- Battery powered plus solar option
- Continuous readings, remotely programmable
- Compatible with any VW Piezometer or pressure transducer

## PiezoMate - Pore Pressure & Groundwater Monitoring Systems

PiezoMate provides continuous pore pressure and water level readings and transmits data to any PC server or cloud based platform.

A PiezoMate system consists of a single or multiple piezometers or pressure transducer installation complete with data-logger and comms interface. PiezoMate is robust and simple to install and operate.

[www.datum-group.com](http://www.datum-group.com)

Any questions? Please call us +44 (0)161 797 5511

MADE IN  
THE UK



**PiezoMate**GROUNDWATER MONITORING  
SYSTEM

## Technical Specification

<b>SAMPLE RATE:</b>	(Max and Min) 1 min to 18 hours (Over sampling option)
<b>INPUTS:</b>	1-8 vibrating wire (VW) piezometers / pressure transducers via LoggerMate bus
<b>PRESSURE RANGE:</b>	100, 350, 700Kpa, 1,2,3 Mpa
<b>SENSOR RESOLUTION:</b>	0.015% FS
<b>SENSOR ACCURACY:</b>	+/- 0.1% FS
<b>OPERATING TEMPERATURE:</b>	-25°C to + 85°C
<b>POWER REQUIREMENTS:</b>	10 to 30V dc (Lead acid sealed or Lithium Battery Cell)
<b>BATTERY LIFE:</b>	3 Years at 15 minute intervals (solar option)
<b>BATTERY SUPPLY (12V DC):</b>	17Ahr
<b>DIMENSIONS:</b>	
SURFACE MOUNTED SOLAR OPTION:	Dia: 350mm L:500mm
MANHOLE VERSION - Sensor and enclosure:	W: 150mm D: 100mm L: 250mm

<b>MODEM / CELLULAR ROUTER:</b>	Sierra Wireless Airlink LS 300, Data via RS-232
<b>MEMORY:</b>	1Mb non-volatile, continuous stream
<b>DIRECT BUS CONNECTED MODULES (31 MODULE CAPACITY):</b>	8 channel vibrating wire interface module 24 channel MEMS IPI interface module Multi I/O
<b>WIRELESS TRANSCEIVER (31 MODULE CAPACITY):</b>	1 channel VW module 8 channel VW module 1 channel MEMS module 24 channel MEMS module 1 channel bridge sensor input range +22mV/V to -22mV/V module Transmitter frequency 2.4Ghz Transmitter range 300m
<b>MATERIALS</b>	Acetyl, UPVC and aluminium
<b>TOTAL WEIGHT:</b>	8.5kg
<b>IP RATING:</b>	IP65

### CONTACT DETAILS

#### Head Office

Datum House  
The Pavilions  
Bridge Hall Lane  
Bury, Lancashire  
United Kingdom  
BL9 7NX



+44 (0) 161 797 5511



info@datum-group.com



www.datum-group.com



@TheDatumGroup



@TheDatumGroup