

# LEVEL AND TEMPERATURE DATA LOGGERS

## SL964 SERIES

LEVEL AND TEMPERATURE  
BATTERY POWERED  
UP TO 250M DEPTH  
LEVEL ONLY OPTION  
CABLE DRUM OPTION

[www.signatrol.com](http://www.signatrol.com)

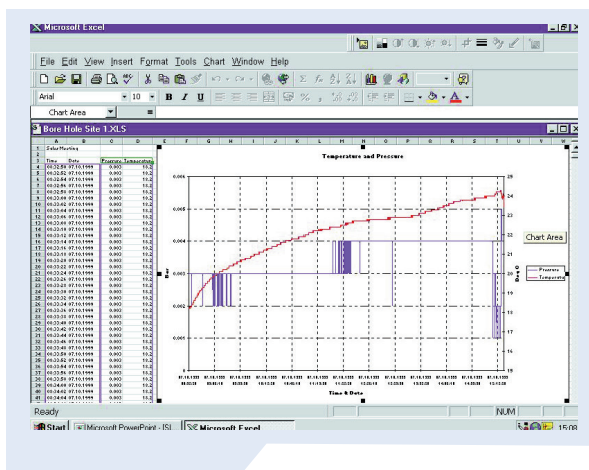
### INTRODUCTION

The SL964 from Signatrol is a battery powered data logger suitable for measuring fluid level and temperature. The self-contained data logger is particularly suited for portable installations or where traditionally it has not been possible to provide conventional power supplies. A high accuracy, stainless steel, submersible pressure transducer provides level measurement for recording by a high-resolution data logger mounted in a stainless steel tube that is rated to IP67 (weatherproof). Interconnecting cable is vented to compensate for changes in atmospheric pressure and is factory fitted to the required length.



Logged data can be extracted via a communications cable, which connects between the USB port of a suitable PC and the data logger. The stored readings are stored in a CSV file that can be imported into most spreadsheet packages where graphs can be produced.

Typical Applications include level measurement in wells, bore holes, waste water, reservoirs, lakes and rivers, tank monitoring and sewage treatment plants.



## SL964 TECHNICAL SPECIFICATIONS

Specification Pressure Range	0 to 100mB (1 meter) Minimum 0 to 25 Bar (255 meters) Maximum
Ambient Temperature Range	0 to +70°C - Standard -25 to +85°C - Optional
Accuracy	± 0.1% Full Scale - for pressure ranges > 500 mBar ± 0.25% Full Scale - for pressure ranges < 500 mBar
Resolution	<0.01% Full Scale - (14 bit)
Sample Rate	Programmable between 2 seconds and 24 hours in 2 second intervals
Real-time Clock	Quartz Controlled
Power Supply	Lithium Battery, User replaceable 3.6v/ 1.9Ah Size AA
Data Memory	130,000 Measurements Non-Volatile Memory
Sensing Equipment	Piezoresistive
Battery Life	1 Reading/ Minute - 1 Year 6 Reading/ Hour -> 5 Years 1 Reading/ Hour -> 10 Years

### Mechanical Details Dimensions in mm

Material = 316 Stainless Steel

