PRESSURE AND TEMPERATURE DATA LOGGERS
SL963 SERIES

BATTERY POWERED

UP TO 1000 BAR

PRESSURE ONLY OPTION

DISPLAY OPTION

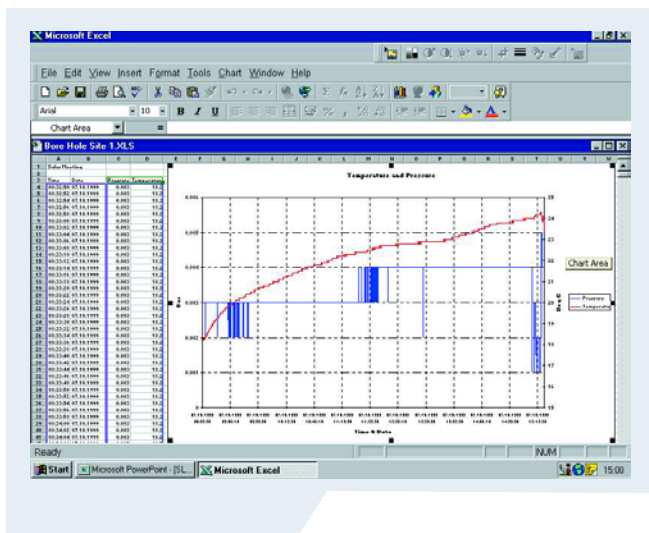**PRESSURE AND TEMPERATURE**

www.signatrol.com

INTRODUCTION

The SL963 from Signatrol is a self-contained battery powered data logger suitable for measuring pressure. The SL963T allows measurement of pressure and ambient temperature. The SL963TD has a built in LED display, the SL963X is certified for hazardous area installations. The self-contained data logger is particularly suited for portable installations or where traditionally it has not been possible to provide conventional power supplies. Housed in a stainless steel enclosure, the integral pressure and temperature transmitters store up to 130,000 readings with a battery life of approximately 10 years.

Logged data can be extracted via a communications cable, which connects between the serial port of a suitable PC and the data logger. The interface between the data logger and the computer is RS232.

Typical Applications include pressure measurement in water and hydraulic lines, compressed air systems, gas pipelines and mobile pressure installations.

TYPICAL GRAPH SCREEN PRESENTATION (USING MICROSOFT EXCEL™)

ORDER CODE

SL963	Pressure Only Data Logger
SL963T	Pressure & Ambient Temperature Data Logger
SL963TD	Pressure & Ambient Temperature Data Logger with LED Display
SL963X	Intrinsically Safe, Pressure Only Data Logger
SL963TD-DATA	Communications Lead for SL963TD
SL963X-DATA	Communications Lead for SL963X
SL960-DATA	Communications Lead for SL963 & SL963T
SL960-SOFT	SL963 Series Software

Signatrol.com
Data Logging Solutions

SL963 TECHNICAL SPECIFICATIONS

Specification Pressure Range	0 to 100mB Minimum 0 to 1000 Bar Maximum
Ambient Temperature Range	0°C to +70°C – Standard -25°C to +85°C - Optional -25°C to +70°C - SL963X Only
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