

SL960 series

High Precision Data Loggers

**SELF-CONTAINED
PRESSURE
DATA LOGGING**



SL963

SL964

The SL963 and 964 are self-contained battery-powered data loggers for measuring and recording pressure and level. The SL963T allows measurement of pressure and ambient temperature, while the SL963TD has a built in LED display, and the SL963X is certified for hazardous area installations.

The SL964 is suitable for measuring fluid level and temperature, and is particularly suited to portable installations, or where a conventional power supply cannot be provided. A high-accuracy stainless steel submersible pressure transducer provides level measurement for recording by the high-resolution data logger, mounted in a IP67 weatherproof enclosure. Both loggers store up to 130,000 readings, with a battery life of up to 10 years. An interconnecting cable is factory-fitted to the required length, via which data is fed to a PC via a RS232 interface.

Features

- Self-powered
- Display option
- Temperature option
- EXi option
- Pressure / level

Specification at 20°C

	SL963	SL964
Pressure Range	0 to 100mB minimum 0 to 1000B maximum	0 to 1 MWG minimum 0 to 250 MWG maximum
Ambient Temperatures	0°C to +70°C - standard -25°C to +85°C - optional -25°C to +70°C - SL963X only	
Accuracy	< +/- 0.25% full scale	
Resolution	< 0.01% full scale (14-bit)	
Sample Rate	Programmable between 2 secs and 24 hours, in 2 sec intervals	
Power Supply	Lithium Battery; user-replaceable 3.6V / 1.9Ah, size AA	
Battery Life	1 reading per minute - 1 year 1 reading per hour - 10 years 6 readings per hour - 5 years	
Data Memory	130,000 measurements. Non-volatile memory	

Order Codes

SL963	Pressure-only data logger
SL963D	SL963 + Integral display
SL963T	Pressure and Temperature Data Logger
SL963TD	SL963T + Integral display
SL963X	Intrinsically Safe pressure logger
SL963TD- DATA	Communications lead for SL963TD
SL963X-DATA	Communications lead for SL963X
SL960-DATA	Communications lead for SL963 and SL963T - includes software
SL964GL	Pressure-only level logger
SL964G	Temperature and Pressure Level Logger
SL964-DATA	SL964 communications lead

Please specify: Pressure range, operating temperature, medium, process connection, whether gauge or absolute, and cable length for SL964.