



DATALOGGERS

DataHog2 & Water Level Scaling

DATAHOGS AND WATER LEVEL SENSORS

DataHog2 loggers can record from 1 to 8 water level sensors simultaneously. There are a choice of sensors with differing ranges and accuracies according to the exact application.

The DataHog2 also has different scaling settings, to best optimise the measurement resolution. Where the sensor output overlaps two scaling options, it is often advisable to log the water level on both, ensuring best resolution at all times.

Sensor Range	Nominal sensor output @ 5V excitation	DataHog 2 Resolution with 200 mV scaling	DataHog 2 Resolution with 20 mV scaling
0 - 0.7 m (0-70 mbar)	0 - 8.5 mV	0.9 mm	0.09 mm
0 - 1.75 m (0-175 mbar)	0 - 12.5 mV	1.5 mm	0.15 mm
0 - 3.5 m (0-350 mbar)	0 - 25 mV	1.5 mm	0.15 mm
0 - 7 m (0-700 mbar)	0 - 50 mV	1.5 mm	0.15 mm
0 - 10 m (0-1 bar)	0 - 50 mV	2.15 mm	0.22 mm

SKPS 1830/I SENSOR SPECIFICATIONS

Overpressure	4 x typical
Non-linearity & hysteresis	± 0.1 % BSL to 60 bar
Operating temperature	-20 to + 80 °C
Temperature effects (total error band)	± 0.3 %, -2 to +30 °C ± 1.5 %, -20 to +80 °C
Thermal zero shift	+ 0.015 % / °C
Thermal sensitivity shift	+ 0.015 % / °C
Pressure media compatibility	Most common fluids

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