

Acrulog Differential Pressure Logger

Simple and compact differential pressure data logger for harsh environmental monitoring



TYPICAL APPLICATIONS

Sewer differential pressure
Venting and inducing
Asset management and research studies
Scrubber differential pressure monitoring
Ventilation pipes and rising mains



FEATURES & BENEFITS

Designed for harsh environments

Wireless download of data via *Bluetooth®* technology

Customized case with easy access to change batteries

Easy to download data using custom Acrustat software

Extensive battery life:

Over 12 months with 1 x 3.6v D size lithium metal battery

Over 3 months with 3 x AA size Alkaline batteries

External humidity sensor for harsh environments

One touch switch to access main menu

Large, clear, informative alpha-numeric display

Logging capacity of 3 million data points

Optional Outputs: 4-20mA, RS485 or 4G/5G (LTE-M / NB-IoT)



Acrulog Differential Pressure Logger

The Acrulog differential pressure logger has been specifically designed to work in harsh environments to log levels of differential pressure in sewerage systems, and scrubbers systems.

Patents: Australia No. 2018204116, U.S. Patent No. 10557838

SPECIFICATIONS

Differential Pressure	+/- 2inWC (+/- 500 Pascals), or
Sensor Range	+/- 10inWC (+/- 2500 Pascals), or +/- 25inWC (+/- 6200 Pascals)
Differential Pressure Display	0.000-2.000 inWC (000.0-500.0 Pascals), or 0.000-10.00 inWC (000.0-2500 Pascals), or 0.000-25.00 inWC (000.0-6200 Pascals)
Maximum Pressure	+/- 67.28kPa +/- 270.37inWC
Pressure Accuracy	+/- 0.25%
Instrument Temp Range	-20C to 50C (-4F – 122F)
Relative Humidity Range	0-100% non-condensing
Ingress Protection Electronics	IP68
External Dimensions	Trilateral Diameter 58.3mm x 59.3mm Height 164mm (2.30" x 2.34" x 6.46")
Instrument Weight	300 grams (10.6oz)
Power Supply	3 x AA Alkaline Batteries (in adaptor) Or 1 x 3.6v D Lithium Metal Battery
Logging Interval	1 second to 18 hours
Logging Capacity	3 million data points
Wireless Communication	Data download via <i>Bluetooth</i> ®
Humidity Accuracy	+/- 5% RH at 55% RH
Humidity Sensor Range	0-100%
Temperature Accuracy	+/- 0.3 at 25C (77F)
Optional Output Upgrades	4-20mA, RS485, 4G/5G (LTE CAT M1 / NB-IoT)
Warranty	12 Months

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OPTIONAL ACCESSORIES

Solar shade
RBWater Trap
Manhole Antenna