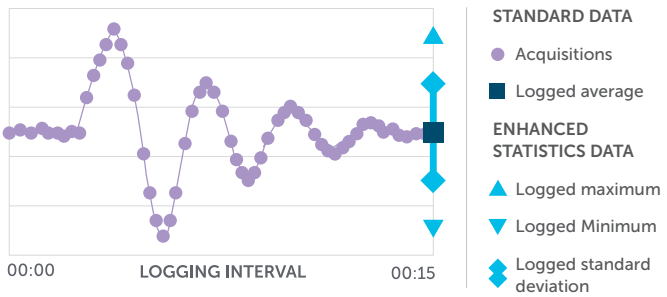
DATA SHEET

Logger

ACCURATE, RELIABLE AND AFFORDABLE LOGGERS THAT DELIVER TIMELY AND VALUABLE DATA YOU CAN RELY ON FOR DECISION MAKING

CONFIGURATION

DATA SAMPLING INTERVAL	≥ 1s (1 min default)
DATA LOGGING INTERVAL	≥ 1 min (15 min default)
DIAL UP INTERVAL	≥ 5 min (24hr default)
TEMPERATURE/VOLTAGE	Logged (default = hourly)
GSM SIGNAL STRENGTH	Logged on GSM Connection



LOGGING MODES

STANDARD LOGGING

Mean of samples over logging interval

ENHANCED STATISTICS

Instability, pressure transients and surges can be identified from maximum, minimum and standard deviation values captured during the logging interval

OVERVIEW

ACCURATE AND COMPLETE DATA SECURELY COMMUNICATED

Better than +/- 0.1% FS precision

Better than +/- 0.2% FS drift, no need for recalibration in lifetime

Non-volatile data storage up to a year so no loss of data from power interruptions

High performance internal antenna, convertible in the field to external to aid poor mobile network reception

Secure data communication on the 2G or 3G network of your choice and supports roaming SIMs

VALUABLE DATA YOU CAN RELY ON FOR DECISION MAKING

Up to 3 pressure measurements and 2 flow channels

Enables asset condition monitoring

Enhanced statistics for transient detection and investigation

Data resolution from 1s to 24 hours

Records mobile network signal strength

TIMELY DATA RETURN TO ENABLE EFFECTIVE DECISION MAKING

You configure the frequency of data transmission

Set thresholds for each channel input and configure SMS alerts and latest data transmit on threshold breach

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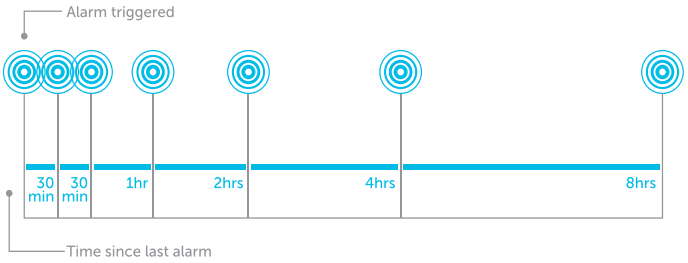
ALARMS

Alarm thresholds can be individually set for each flow and pressure channel. Alarms are logged when they occur and can trigger the logger to:

- Log alarm details
- Send an SMS alert to a specified telephone number containing alarm details
- Dial up with increased regularity



When an alarm is raised the decaying process is triggered, with data delivered at the intervals shown above. When the alarm is cleared the decay process is cancelled. Data is delivered at this point and then 2 hours later for post-event analysis.

A Nightline period can be defined and alternative thresholds can be set for a flow channel to aid breach and burst detection.

OVERVIEW

LOWEST WHOLE LIFE COST

High precision Swiss made transducers mean no requirement for recalibration

More than 5 years battery life from internal battery or use external battery pack or DC power source

SIM card and battery easily exchanged by user in the field

Standard 3 year warranty, extended warranty available

Designed and tested to IP68

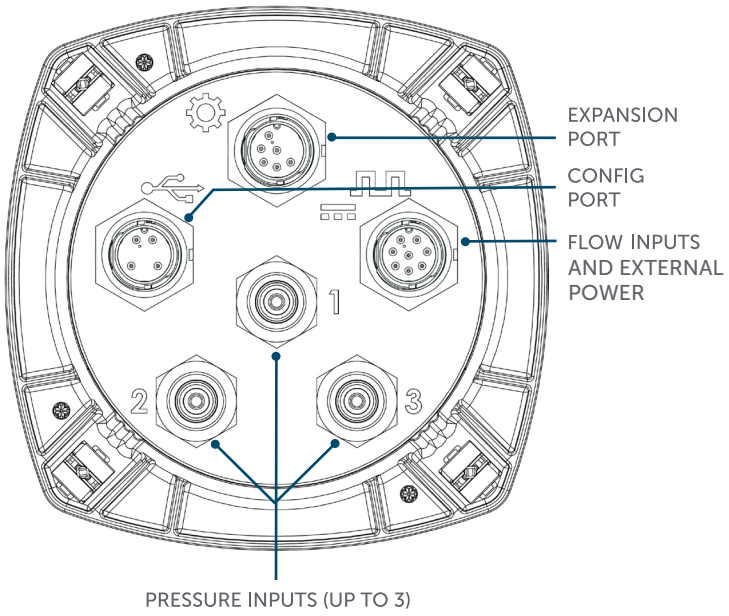
Capable of withstanding extreme environmental conditions up to 50°C and 85% humidity

Robust enough to withstand 1.2m impact on concrete

Future proofed through over-the-air firmware upgrades

INTERFACES

DIGITAL FLOW INPUT	
TYPE	Industry standard 2-wire interface plus 3 and 5 wire bi-directional meters
MAX PULSE FREQUENCY	100Hz
MIN PULSE WIDTH	5ms
PHYSICAL INTERFACES	
CONFIGURATION PORT	USB connection to PC, Windows tablet or Android phone and tablet
EXPANSION PORT	Connection for external power sources 6V - 30V
OVER THE AIR (OTA) INTERFACE	
NETWORK	Quad-band GSM and Penta-band UMTS
SIM	Field replaceable
	Automatic configuration
	Supports roaming SIMs



LOGGER VARIANTS AND ACCESSORIES

Loggers are available in the following configurations: 0, 1 or 3 pressures and supports single and bi-directional flow

Connection kits are available to match these configurations

USB interface present on all loggers

10Bar transducers fitted as standard, 30Bar transducers are available at no additional cost

Internal or field upgradable external antenna

Internal battery, external battery, or external power

PHYSICAL INFORMATION

SIZE (mm)	w115 x d115 x h155
WEIGHT (kg)	0.68

08/11/2017

4 Benham Road, Southampton Science Park, Southampton, SO16 7QJ, United Kingdom
Phone: +44 (0)23 8011 1420 Email: info@i2owater.com

i2O™ Calm water