ultraP

ultra-fast, ultra-compact, ultra-dependable. The next generation of Pressure sensor.

Redesigned from the connector up, the ultraP offers a truly smart and exchangeable Pressure sensor without compromise.

Ideally suited to system integrators and OEM applications, the ultraP is a truly exchangeable Pressure sensor with all critical electronics contained within the housing. Select the depth rating that suits your operational depth to maintain the best possible accuracy.

The pressure sensor fitted to the ultraP is a temperature compensated piezo-resistive sensor, which delivers the performance previously only available from a resonant quartz sensor at a more cost-effective price.

It also brings the added advantages of long term stability, allowing longer intervals between calibration, and a smaller and more robust construction; complex and vulnerable arrangements of diaphragms and oil filled capillaries & reservoirs are therefore no longer necessary.

The ultraP can be re-calibrated by customers using a Class A deadweight tester.

Type:	Temperature compensated piezo-resistive
Range:	10, 30, 50, 100, 300, 400 or 600 Bar
Accuracy:	±0.01% FS
Resolution:	0.001% FS

Data Acquisition

Sampling:	Continuous or data on demand. Noise reduction mode
Data Rate:	1, 2, 4, 8 or 16Hz continuous
Units:	Secondary calibration function allows conversion of dBar pressure units into metres or feet
Tare:	Tare Function allows correction for atmospheric offset

Physical

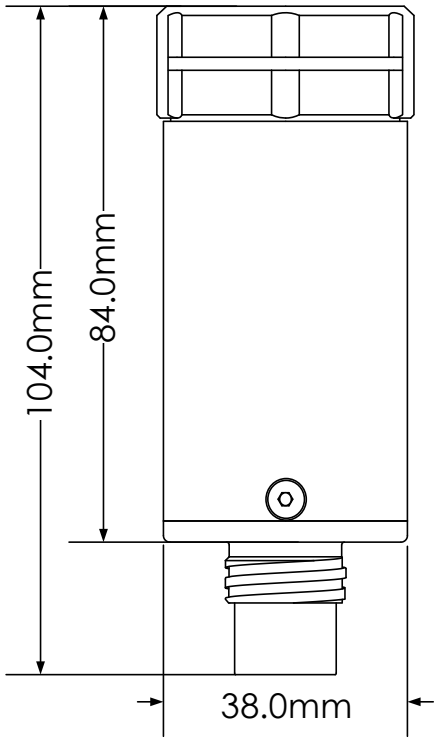
Housing:	Titanium (6000m rated)
Size:	40mmØ x 84mm
Weight:	<0.3kg (air)
Connector:	Subconn MCBH6F (titanium)

Communications

Output:	RS485
Protocol:	4800 to 115200 baud, (8,1,N)
Format:	Proprietary NMEA data string

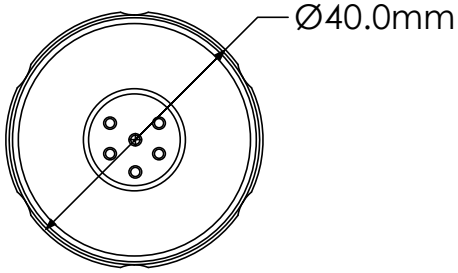
Power Requirements

Input:	5vDC (isolated)
Power:	less than 0.4W (40mA @ 5v dc)



Ordering

0760009-XX	ultraP fitted with 0.01% piezo-resistive sensor Supplied with interface lead, operating manual and transit case
Note:	XX denotes pressure transducer range. Select from 10, 30, 50, 100, 300 or 600bar
0760002	Calibration adapter to allow users to perform their own calibration against a deadweight tester.



As part of our policy of continuing development, we reserve the right to alter at any time, without notice, all specifications, designs, prices and conditions of supply of all equipment

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