



# Portable Suspended Solids 740 Monitor and Soli-Tech 10 Sensor

PRODUCT DATASHEET

## APPLICATIONS

Mixed Liquor Suspended Solids  
Returned Activated Sludge  
Final Effluent  
River Monitoring

## FEATURES

Wide Sensor Range  
Upto 10 different calibrations  
Compact Robust Design  
Carry Bag Included

## BENEFITS

Quick and Easy Suspended Solids  
Measurement  
Multiple sites with one monitor

## ALTERNATIVE PRODUCTS

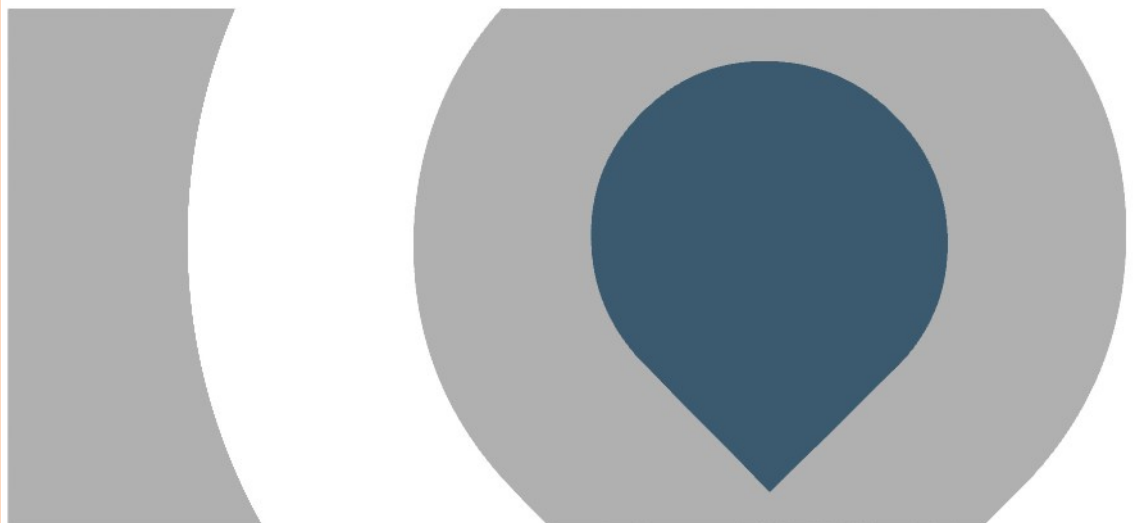
7200 Monitor  
Turbi-Tech 2000LA Sensor  
Turbi-Tech 2000LS Sensor



The 740 Monitor provides, quick and accurate readings of Suspended Solids, Sludge Blanket Level, and Turbidity, via an intuitive menu structure from a totally portable package. The robust IP65 enclosure incorporates a security strap and protective case to prevent accidental dropping, impact damage and abrasion of the display surface. The display itself is a high contrast LCD that has been designed to work over a wide temperature range with no loss of clarity. A rugged carrying case holds the above, together with the measuring probe, cable, battery charger and instruction manual.

The 740 Monitor includes capability for up to ten customer programmed user profiles, each defined by site specific calibrations to cater for differences in the effluents being monitored. A retrospective adjustment to the calibration for each site is also possible via a unique menu facility that enables a specific sensor output to be stored in memory at the same time as a liquid sample is taken. The gravimetric analysis of the suspended solids level in the sample is then returned to the monitor as the final calibration figure. Further site calibration enhancement is afforded by the ten-point look up table, that allows the monitor to accurately measure suspended solids in vast majority of applications.

The achievable accuracy and ease of use make the 740 Package ideal for regular checking of suspended solids levels to process or legislated requirements in activated sludge plants, final effluent outfalls, treatment plant inlets, streams and rivers and as a secondary standard to check other on-line and portable instruments.



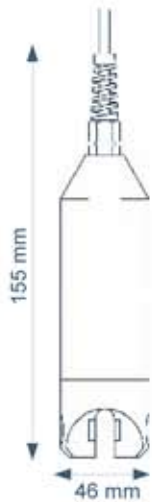
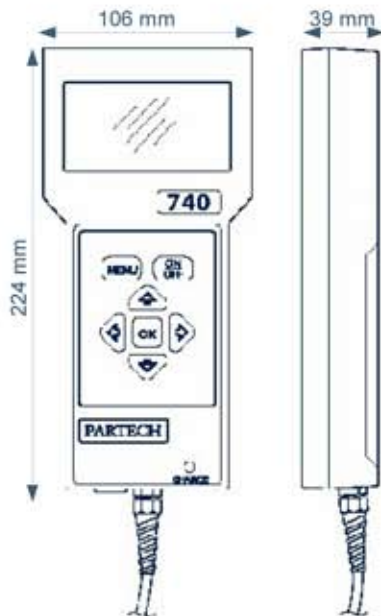
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## Physical

Weight  
Dimensions (h x w x d)  
Enclosure Rating  
Enclosure Material  
Cable Entries  
Cable Size  
Cable Length

Service Requirements

## Environmental Data

Operating Temperature

Storage Temperature

Location

Power Supply

## Measurement Details

Response Time  
Accuracy  
Repeatability  
Measurement Principle  
Wavelength  
Pressure Rating  
Flow Rate  
Maximum Range  
Minimum Range

## User Interface

Display  
Setup  
Units of Measurement

## Software

Remote Programming

## Monitor

0.5 kg  
224 x 106 x 39 mm  
IP65  
ABS  
Plug for Sensor; Charger  
3 core, 5 mm OD Polyurethane coated cable  
5 metre standard, 100 metre maximum  
Cable marking every 1 metre  
No routine servicing  
Will require cleaning after use

## Sensor

0.6 kg (inc 5 metres of cable)  
45 mm Diameter, 155 mm long  
IP68  
Black Acetal Co-Polymer  
Integral Cable Gland

Monitor: -20 to 60°C

Sensor: 0 to 60°C

-20 to 60°C

Portable

Universal Charger 90-264 VAC, UK, US, and EU Plug Styles

Optional car charger available

0.5 seconds, damped by monitor

+/- 5% FSD on real sample

+/- 1% FSD on real sample

Infrared Light Attenuation

880 nm

10 mWC

Not effected by flowrate

0 – 20,000 mg/l

0 – 50 mg/l

Graphical Display providing 4 1/2 Digit with 2 message lines

via 4 Button Membrane Keypad

mg/l, g/l, ppm, NTU, FTU, %SS, User Defined

No

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The company reserves the right to alter the specification without prior notice. E&OE

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12 Carl Court, Hallam, Vic. 3803, Australia

03 8795 7711 | [www.fluidquip.com.au](http://www.fluidquip.com.au) | [fluidquip@fluidquip.com.au](mailto:fluidquip@fluidquip.com.au)

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