

740 Monitor / Soli-Tech DATASHEET

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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

FIXED INSTALLATION ALTERNATIVES

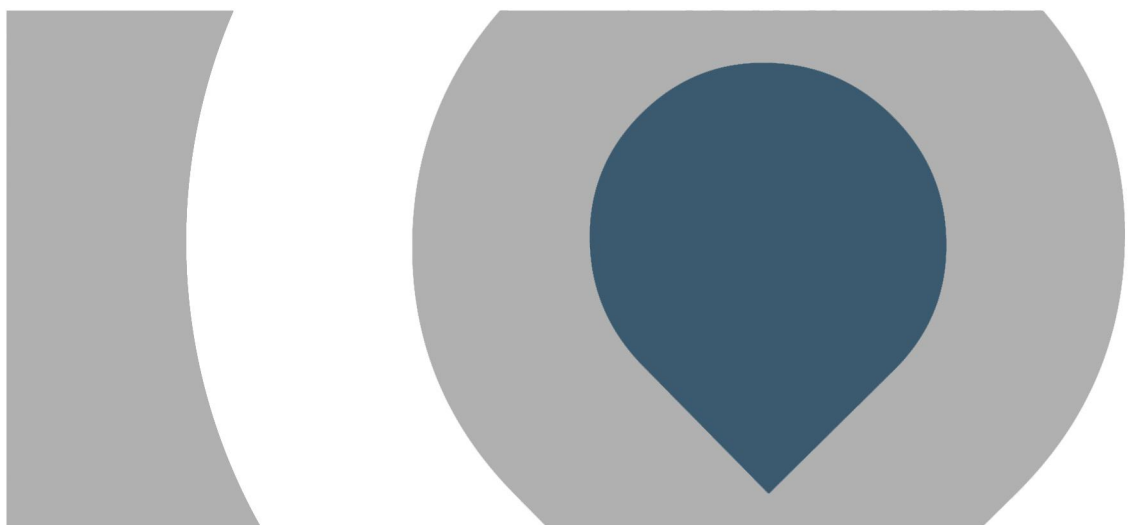
7200 Monitor
7300w² Monitor
Turbi-Tech 2000LA Sensor
Turbi-Tech 2000LS Sensor
TurbiTechw² LA Sensor
TurbiTechw² LS Sensor



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.



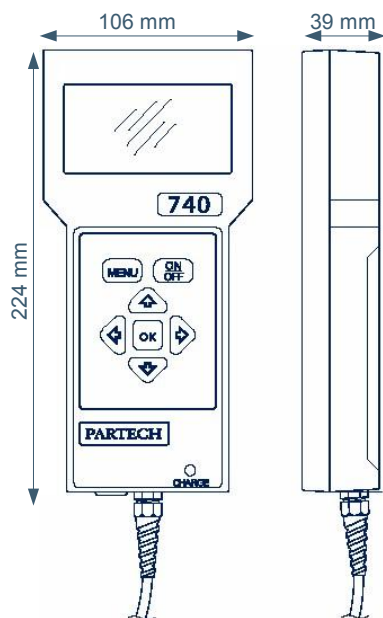
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Physical

Dimensions (H x W x D)
Weight
Protection Class
Enclosure Material
Cable Entries
Cable Size
Cable Length

Service Requirements

Environmental Data

Operating Temperature
Storage Temperature
Location

Electrical

Power Supply

Measurement Details

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

User Interface

Display
Setup
Units of Measurement

Software

Remote Programming

Monitor

224 x 106 x 39 mm
0.5 kg
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

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

-20 to 60°C

0 to 60°C

-20 to 60°C

Portable

Universal Charger 90-264 VAC, UK, US, and EU Plug Styles
Optional car charger available

+/- 5% of measured value on real sample

+/- 1% of measured value on real sample

Infrared Light Attenuation

880 nm

0.5 seconds, damped by monitor

10 mWC

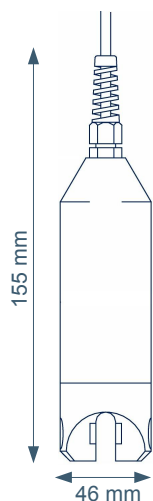
Not effected by flowrate

0 – 20,000 mg/l

0 – 200 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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