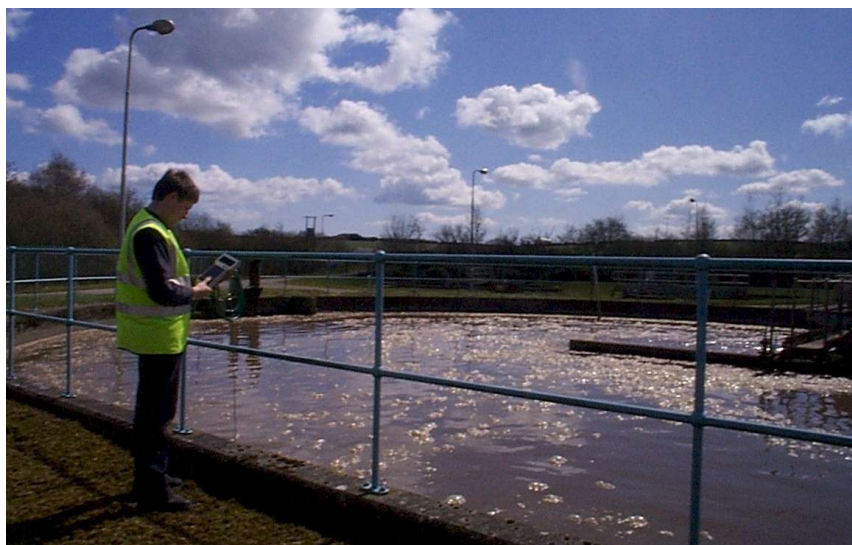


740 Portable Suspended Solids Monitor



Partech Instruments is a specialist company providing analysers and instruments for monitoring and control in; wastewater, raw water, industrial effluent and surface water applications.

Whatever the application and whatever the location, Partech will supply an effective and efficient service and a support package tailored to suit the customer

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.



The 740 Portable package consists of the 740 Monitor and the Soli-Tech 10 Sensor. The package is supplied in a hard wearing nylon bag to contain the monitor, sensor, charger and instruction manual. The 740 Monitor is supplied with a further bag that makes the unit suitable for use in damp environments and in inclement weather.

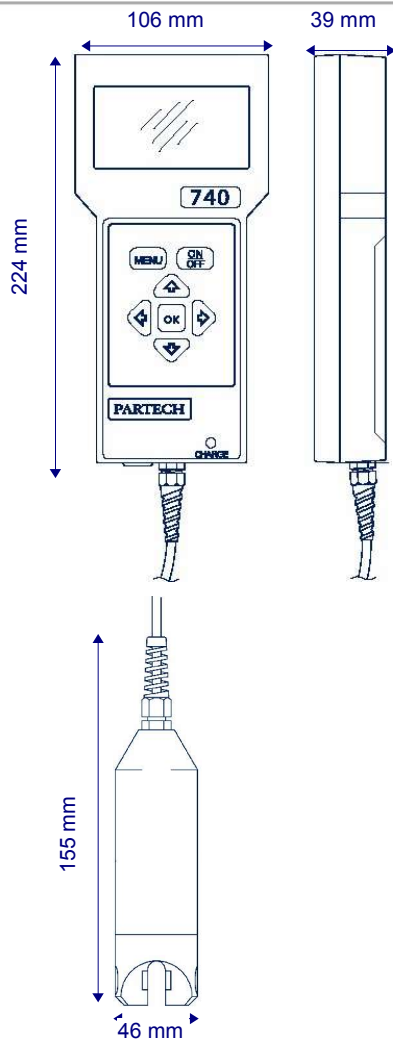
The Soli-Tech 10 Sensor is manufactured in rugged Black Acetal and has been designed to meet the demands placed on a portable sensor operated in wastewater plants.

The sensor has a dual range that ensures accurate measurement in both Final Effluent and Mixed Liquor applications.

Fixed Installation Alternative

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

740 Portable Suspended Solids Monitor



Part Numbers

- 172030 740 Monitor, inc Bag
- 172400 Soli-Tech 10 Sensor
- 172260 Charger, UK Plug
- 172261 Charger, US Plug
- 172262 Charger, EU Plug



Publication No: 184150 Rev 01
The company reserves the right to alter the specification without prior notice. E&OE

Physical

Weight
Dimensions (hxwx d)
Enclosure Rating
Enclosure Material
Cable Entries
Cable Size
Cable Length

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

Service Requirements

Environmental Data

Operating Temperature
Storage Temperature
Location

Monitor: -20 to 60°C
Sensor: 0 to 60°C
-20 to 60°C
Portable

Power Supply

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

Interface between Sensor and Monitor

Type
PWM Digital Signal

Measurement Details

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

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

User Interface

Display
Setup
Units of Measurement

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

Software

Remote Programming

No

Mounting

Type

Portable

Approvals

EMC Standard
EMC Directive
Low Voltage Directive

EN50082-1 (1994) Residential, Commercial, Light Industry
89/336/EEC
73/23/EEC



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.