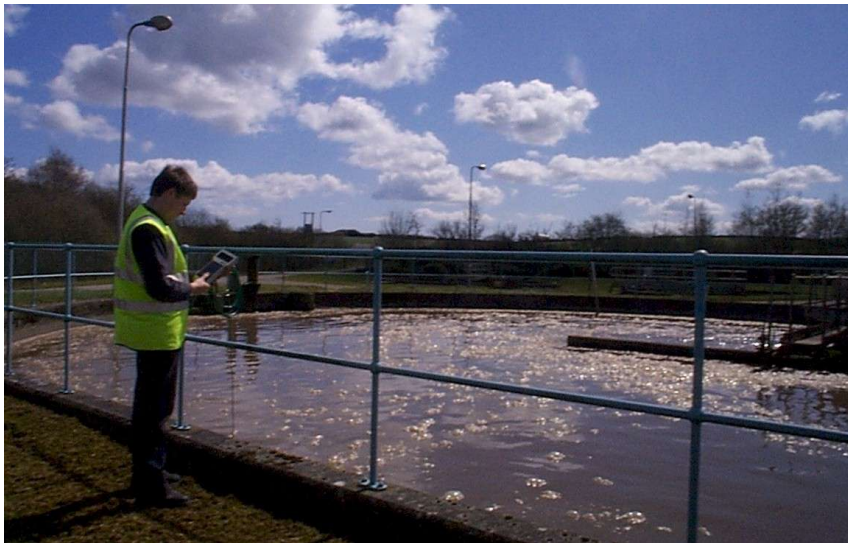


740 Portable Suspended Solids Monitor



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.

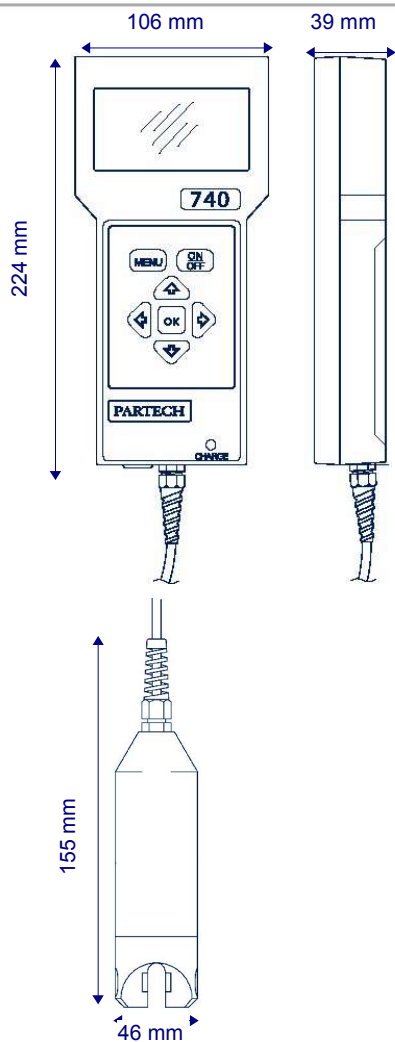
The Soli-Tech 10 Sensor is manufactured in rugged Black Acetal and has been designed to meet the demands placed on a portable sensor operated in wastewater plants.

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

	Monitor	Sensor
Weight	0.5 kg	0.6 kg (inc 5 metres of cable)
Dimensions (hxwx d)	224 x 106 x 39 mm	45 mm Diameter, 155 mm long
Enclosure Rating	IP65	IP68
Enclosure Material	ABS	Black Acetal Co-Polymer
Cable Entries	Plug for Sensor, Charger	Integral Cable Gland
Cable Size	3 core, 5 mm OD Polyurethane coated cable	
Cable Length	5 metre standard, 100 metre maximum	
	Cable marking every 1 metre	
Service Requirements	No routine servicing Will require cleaning after use	

Environmental Data

Operating Temperature	Monitor: -20 to 60°C Sensor: 0 to 60°C
Storage Temperature	-20 to 60°C
Location	Portable

Power Supply

Voltage	Universal Charger 90-264 VAC UK, US, and EU Plug Styles
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Interface between Sensor and Monitor

Type	PWM Digital Signal
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Measurement Details

Response Time	0.5 seconds, damped by monitor
Accuracy	+/- 5% FSD on real sample
Repeatability	+/- 1% FSD on real sample
Measurement Principle	Infrared Light Attenuation
Wavelength	880 nm
Pressure Rating	10 mWC
Flow Rate	Not effected by flowrate
Maximum Range	0 – 20,000 mg/l
Minimum Range	0 – 50 mg/l

User Interface

Display	Graphical Display providing 4 1/2 Digit with 2 message lines
Setup	via 4 Button Membrane Keypad
Units of Measurement	mg/l, g/l, ppm, NTU, FTU, %SS, User Defined

Software

Remote Programming	No
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Mounting

Type	Portable
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Approvals

EMC Standard	EN50082-1 (1994) Residential, Commercial, Light Industry
EMC Directive	89/336/EEC
Low Voltage Directive	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.



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)1245 600560

Fax: +44 (0)1245 600030

Email: sales@keison.co.uk

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