

## S20-SWW/S40-SWW

SWW Suspended Solids Sensors for waste water and storm water measurement



### S20-SWW / S40-SWW

The S20-SWW and S40-SWW Suspended solids sensors bring sophisticated process control and measurement to waste water and storm water applications. The Immersion style sensors are designed for continuous on-line monitoring of suspended solids. The sensors simplify installation and set-up with a 2 point calibration using a simple PC USB interface.

Applications for the sensors include:

- Storm water sediment runoff monitoring
- Flocculant dosing and control
- Wastewater monitoring and control.

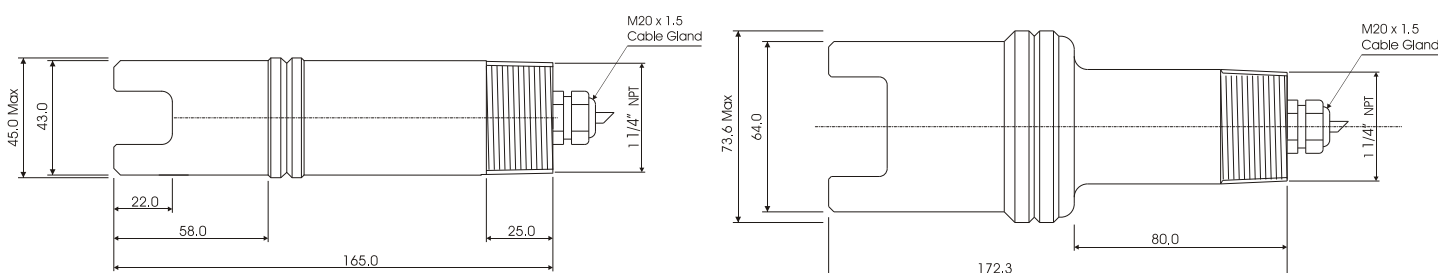
### Features

- Four beam self-compensating sensors, virtually eliminates drift due to contamination or electronic ageing
- Immersion style sensors
- Simple user interface
- Accurate, repeatable & reliable measurements
- Connect directly with 4-20mA and Modbus RS485
- Optional cleaning head

# Specifications

Measuring Range (will vary according to media and particle characteristics)

S20-SWW	0 to 10g/l in normal activated sludge
S40-SWW	0 to 2.5g/l in normal activated sludge
Accuracy	+/- 2% of reading
Repeatability	+/- 1% of reading
Temperature	0 to 50°C operating range
Pressure	5 Bar maximum
Cable	Supplied with a 10m cable as standard. Other lengths available on request Polyurethane covered cable rated to 95°C. Extension cables can be supplied to extend the cable up to 100m.
Outputs	4-20mA and Modbus RS485
Power Requirement:	0.25w at 5v for Modbus only or 9 to 32v for 4-20mA version
Wave Length	880nm - Standard. Other wave lengths available
Body Material	Polypropylene
Optional Extras:	Cleaner - powered using air at 10 Bar or optional spray wash system - see LTH Spraywash data sheet for details



## Order Codes

Type	Stock No	Description
S20-SWW-880-PP-10-NC-MB	1921	Immersion style Suspended solids sensor, 10 Metre cable, 1.25\" NPT thread, Modbus + 4-20mA output. Range of measurement: 0-10g/l in normal activated sludge.
S40-SWW-880-PP-10-NC-MB	1922	Immersion style Suspended solids sensor, 10 Metre cable, 1.25\" NPT thread, Modbus + 4-20mA output. Range of measurement: 0-2.5g/l in normal activated sludge.
S20-CLEAN	1919	S20 Immersion sensor cleaning head assembly.
S40-CLEAN	1920	S40 Immersion sensor cleaning head assembly.

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