



MORTON CONTROLS

INSTRUMENTATION & PROCESS CONTROL

IN PARTNERSHIP WITH



NEXT LEVEL EFFICIENCY



MXD75 and MXD73 MULTI CHANNEL SUSPENDED SOLIDS AND TURBIDITY TRANSMITTERS For the FOOD & BEVERAGE INDUSTRY

MXD75
SURFACE MOUNT

The MXD75 and MXD73 Transmitters are innovative and sophisticated in design, yet still simple and intuitive to use.

The clear LCD display providing up to 3 levels of information for up to 3 Sensors.

5 tactile feedback, micro-switched, silicone buttons help make interface simple and easy to use.

With the capacity to include Electrodeless Conductivity sensors into the mix of analysis means it is possible to make significant efficiency improvements to processes like CIP. The relay and digital inputs allow for great flexibility coupled with the Cleaning function make sensor cleaning set-up simple.

Provides accurate, repeatable and reliable process monitoring of Suspended Solids and Turbidity using Quadbeam Technologies S10, S20, S40 or T30 sensors.

Handing you the power of control....

**Gain improved control in Dairy Processing, Food & Beverage Processing,
Waste Water Monitoring and Treatment, Mining, Pulp & Paper**



MXD73
PANEL MOUNT

Up to 3 Sensors per Transmitter.

- Parameters include Suspended Solids, Turbidity, Conductivity, pH/Redox and DO.
- Multiple measurements can be selected and displayed.
- Simple menu driven interface.
- User selectable bar graph display option.
- SD card interface allows trouble free saving of configuration and simplifies software upgrades.

- Base model includes 2 relays and a single 4-20mA output. Can be expanded to a 6 relay outputs and 6 isolated 4-20mA outputs.
- Simple 2 point or up to 9 point lineariser. Manual or automatic linearization sample data input, making the process simple and fast.
- 8 independent programmable digital inputs with user selectable operations!
- Options include Data Logging with Live Trending and Modbus RS485

S20-SWW & S40-SWW Suspended Solids Sensors

Get better control of your Stormwater run-off. Bringing sophisticated process control suspended solids sensors to Stormwater and Waste

- Four beam self compensating sensor, virtually eliminates drift due to contamination or electronic ageing
- Immersion style

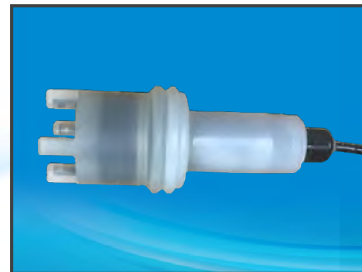
S20 Measurement Range, 0 to 10g/L normal activated sludge



S20-SWW

- Simple user interface
- Accurate, repeatable & reliable
- Connect directly with 4-20mA and Modbus RS485

S40 Measurement Range, 0 to 2.5g/L normal activated sludge



S40-SWW

S20-SWW & S40-SWW IMMERSION SENSOR

Immersion style sensors are designed for continuous on-line monitoring of suspended solids in Stormwater monitoring and Waste Water installations.

Applications include:

- Stormwater sediment runoff monitoring
- Flocculant dosing and control
- Wastewater monitoring and control
- Clarifier overflow monitoring
- Sludge bed control
- Filter monitoring

Calibration

- Simple 2 point calibration using simple
- PC USB interface

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SUSPENDED SOLIDS and TURBIDITY SENSORS

NEXT LEVEL EFFICIENCY

Quadbeam Technologies provides accurate, repeatable and reliable process monitoring of Suspended Solids and Turbidity using the S10, S20, S40 or T30 Four Beam self-compensating Sensors.

Get better control of your suspended solids, control your losses, control product change, control concentration, control dosing- accurately and repeatedly.

The Four Beam self-compensating sensors, virtually eliminates drift due to contamination or electronic ageing.

- One piece body, no lenses to leak, glass free.
- Range of sensors to best suit application.
- Both Immersion and Hygienic configurations.
- Simple user interface.
- Accurate, repeatable & reliable.

Gain improved control in;

Dairy Processing
Food & Beverage Processing
Mining
Pulp & Paper
Industrial & Chemical
Water Treatment
Waste Water Monitoring

Applications include;

Milk solids monitoring
Product loss monitoring
CIP efficiency
Filter monitoring
DAF plant control
MLSS measurement
Final effluent release monitoring

Water Treatment
Waste Water Monitoring



S10 Suspended Solids Sensor

Immersion – range 0 to 25g/L normal activated sludge.
4% coal dust maximum.

Hygienic, 3A Certified – range 0 to 40% milkfat



S20 Suspended Solids Sensor

Immersion – range 0 to 10g/L normal activated sludge.
Hygienic, 3A Certified – range 0 to 20% milkfat



S40 Suspended Solids Sensor

Immersion – range 0 to 2.5g/L normal activated sludge.
Hygienic, 3A Certified – range 0 to 1.5% milkfat



T30 Turbidity Sensor

Immersion – range 0 to 50 through 0 – 1000NTU.
Hygienic, 3A Certified – range 0 to 50 through 0 – 1000NYU.



Suspended Solids is a quantitative measure of particles in fluid often particles in Suspended Solids will settle out relatively quickly. Suspended Solids are often measured in mg/l, ppm or % concentration. It generally relates to higher concentration solids in fluid.

Turbidity is qualitative measure of liquid clarity and is measured in Nephelometric Turbidity Units. It generally relates to lower concentration of solids in fluid.