

## MXD75 Multi Channel Suspended Solids and Turbidity Transmitter

- Up to 3 Sensors on one Transmitter.
- Parameters include Suspended Solids, Turbidity and Electrodeless Conductivity.
- 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 relay and a single 4-20mA output. Can be expanded to 6 relay outputs and 6 isolated 4-20mA outputs.
- Simple 2 point or up to 9 point lineariser. Manual or automatic linearisation sample data input, making the process simple and fast.
- 8 independent programmable digital inputs with user selectable operations.

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

Gain improved control in;

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

The MXD75 Transmitter is an innovative and sophisticated transmitter, 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.



## SPECIFICATIONS\*

### Measurement Input:

A mix of up to 3 Sensors. Suspended Solids Series S10, S20, S40 and or Turbidity Series T30 and or. Electrodeless Conductivity Sensor ECS40.

### Current Output

Up to 6 current outputs, depending on number of relays, each selectable 0-20mA or 4-20mA into 1000 ohms max, fully isolated to 2kV. Expandable up to 5% of any operating range and offset anywhere in that range.

### Setpoints and Control Relay

2 change over relays as standard, expandable up to a total of either 4 change over relays, or 4 change over relays plus 2 normally open relays. depending on the number of current outputs. Fully configurable setpoints with volt free contacts for each relay. Rated at 5A at 30V DC /5A at 250V AC

### Digital Inputs

8 contact closures for remote activation of user defined operations. Can be configured to operate either normally open or normally closed.

## MODEL NO. SELECTION GUIDE

### Basic Model No:

MXD75 - Surface mounted enclosure to IP66.

### Output:

I- 1 (max 3) fully isolated to 2kV current outputs, software selectable to be either 0 to 20mA or 4 to 20mA into a maximum of 1000 ohms.

R- 2 relays (max 6)

### Supply Voltage:

U - Universal 80-265V AC or DC, 15W max.

LV - 18 -36 V AC/DC or DC, 20W max.

Sample model no: MXD75-2R-11-U

### SD Card Interface

### Display

95mm QVGA back lit LCD.

### Measurement Units:

NTU, FTU, ppm, mg/l, g/l, %, EBC or OD can be selected and displayed.

### Calibration:

Simple two point, or up to 9 point linearisations can be entered.

### Linearity:

0.1% of range.

### Repeatability:

0.1% of range.

### Ambient Operating Range:

-20°C to +50°C

Surface mounted housing manufactured from moulded polyurethane and rated to IP66.

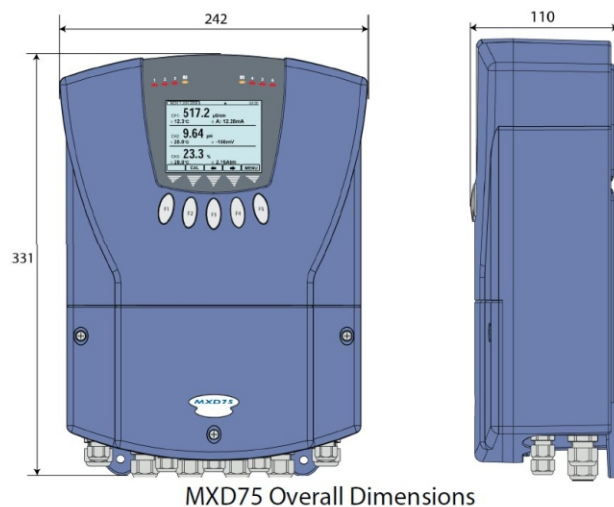
Weight: Max 2.7kg

EMC

2004/108/EC using BS EN 61326:2006

Low Voltage Directive

2006/95/EC using BS EN 61010-1:2001



\* Due to our policy of continuous improvements, specifications are subject to change without notice.