

MXD75 Multi Channel Suspended Solids and Turbidity Controller

Use with S10, S20, S40 or T30 sensors. Up to 3 sensors per transmitter. Parameters include suspended solids, turbidity, conductivity, pH/redox, DO.



Key features



SIMPLE TO USE

Simple user interface



RELIABLE

Accurate, repeatable & reliable.

Further 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.

Input cards also available for pH & DO

CURRENT OUTPUT

1 as standard, 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

Example applications

Gain improved control.

Dairy processing, food & beverage processing, wastewater monitoring and treatment, mining, pulp & paper, industrial, and chemical.

DIGITAL INPUTS

8 separate inputs for remote activation of user defined operations. Can be configured to operate in normally open or normally closed modes.

MODBUS RS485 INTERFACE - OPTION

Supports RTU and ASCII formats.

Node Address: 1 to 247

Baud Rates (Bits Per Second): 300, 600, 1200, 2400, 4800, 9600, 19200, 31250, 38400.

DIMENSIONS

331 x 242 x 110mm (H,W,D)

DISPLAY

95mm QVG" back lit LCD.

BUTTONS

5 tactile feedback, micro-switched, silicone rubber

MEASUREMENT UNITS FOR SUSPENDED SOLIDS & TURBIDITY

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

CALIBRATION

Simple 2 point, or up to 9 point linearisations can be entered. Up to 3 curves, switchable by Digital Input.

LINEARITY

0.1% of range.

REPEATABILITY

0.1% of range.

AMBIENT OPERATING RANGE:

-20°C to +50°C

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DATA LOGGING - OPTION

Live trending provides the user 3 different trend screens with 2 readings, viewing last 50 samples of each. In review mode, review and save last 200 samples.

SD Card Data Logging allows for long term logging that can be reviewed on the instrument or removed to be viewed on Excel.

SD CARD INTERFACE

SD, SDHC and SDXC-FAT-32 cards supported.

EMC

2004/108/EC using BS EN 61326-1: 2013

INGRESS PROTECTION RATING

IP66 to front when panel mounted.

Model no. selection guide

BASIC MODEL NO.:

MXD75 - Ip66 to the front when panel mounted.

OUTPUT

2R - 2 relays (max 6)

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

SUPPLY VOLTAGE:

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

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

Sample model no: MXD75-2R-1I-LV

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