

# Industrial Conductivity Transmitter Model: MDCN3014

## **Applications**

- Municipal and industrial water treatment in wastewater treatment plants
- Drinking and bathing water monitoring
- Pharmaceutical water
- Cooling tower control
- RO units(reverse osmosis)
- Process industry: Chemical/petro chemical,
- food and beverage, offshore oil rigs, pulp and paper, environmental
- technology, machine building and general plant construction



### **Special features**

- Accuracy 1%F.S
- Measuring range 0.00μS ... 20000μS
- Best accuracy, reproducibility and long-term stability
- Local zero and span adjustments
- Automatic temperature compensation
- Intrinsically safe and explosion proof (option)
- with HART, PROFIBUS PA, FOUNDATION Fieldbus (option)

#### **Description**

Storage temperature

Accuracy class
 1% F.S

Accuracy stability
 Accuracy will be held for the nominal

range for a minimum of 1 years

Salinity: 0.00 ... 78.00 g / Kg / TDS: 0 ... 133000 ppm

Resolution EC: 0.01 - 0.1 / Resistivity: 0.01 / Salinity:0.01 / TDS: 1

Temp.resolution 0.1 °C

Temp.Accuracy 0.2 °C

Temp. compensation Pt 1000/NTC30K

Temp. compensation range -10 .... 130 °C Cell constant 0.001 ... 20.000

Transfer function LinearResponse time 0.1 second

Conductivity Current out put
 Isolated 4 ... 20 mA output, max. load 500
 Temp. Current output
 Isolated 4 ... 20 mA output, max. load 500

Temp. Current output
 Current output Accuracy
 Ambient temperature
 Isolated 4 ... 20 mA output, max
 0.05 mA
 0 ... +70°C

temperature coefficient within range -20 to +90°C

Communication
 RS 485, HART, PROFIBUS PA, FOUNDATION Fieldbus

-20 ... +70°C

Baud rate 9600/19200/38400

Maximum relay contacts
 One multi function relay
 S A/ 250VAC, 5 A 24VDC
 Clean/period alarm/error alarm





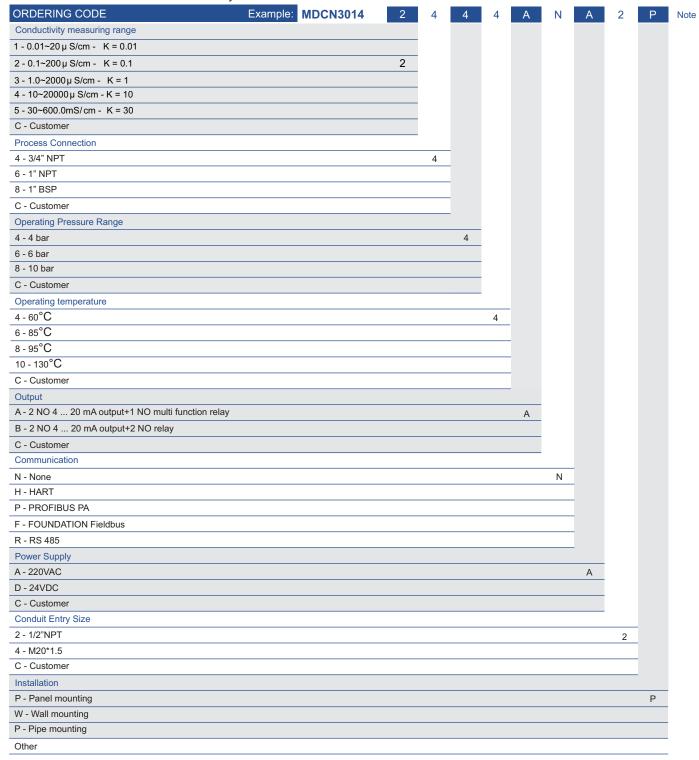
# MADECO Canada

Cleaning setting
 ON: 1 to 1,000 seconds, off 0.1 to 1,000 hours

Relay delay 0 to 120 second

Data logging capacity 500,000
 Display Backlight
 protection IP 65

#### Model: MDCN3014 Industrial Conductivity Transmitter







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