

# Industrial Conductivity Transmitter Model: MDCN2014

#### **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**

Accuracy class
 1% F.S

Accuracy stability
 Accuracy will be held for the nominal

range for a minimum of 1 years

■ Measuring range Conductivity:0 ~ 20µS/cm (K = 0.01)

20~200 µS/cm (K = 0.1) 200 µS/cm~4 mS/cm (K = 1.0) 4~20.0 mS/cm (K = 10.0) 20~200.0 mS/cm; (K = 30.0)

TDS: 0 ~ 100000mg/L

■ Resolution Conductivity: 0.01µS/cm; 0.01 mS/cm

TDS: 0.01 mg/L

Temp.resolution 0.1 °C
Temp.Accuracy 0.3 °C
Temp. compensation error ± 0.3% fs
Temp. compensation range 0.... 150 °C
Transfer function Linear
Response time 0.1 second

PH & Current output
 Isolated 4 ... 20 mA output, max. load 750Ω
 Temp. Current output
 Isolated 4 ... 20 mA output, max. load 500

Electronic unit stability ± 0.1% F.S ± 1 word/24h;

Ambient temperature 0 ... +70°CStorage temperature -20 ... +70°C

temperature coefficient
 within range -20 to +90°C

Repeatability error of electronic unit ≤ 0.1% F.S ± 1 word
 Baud rate 9600/19200/38400

Two sets of relay control contacts
 4A 250VAC,4A 30VDC





## MADECO Canada

One multi function relay
 Clean/period alarm/error alarm

Electronicunit alarm error

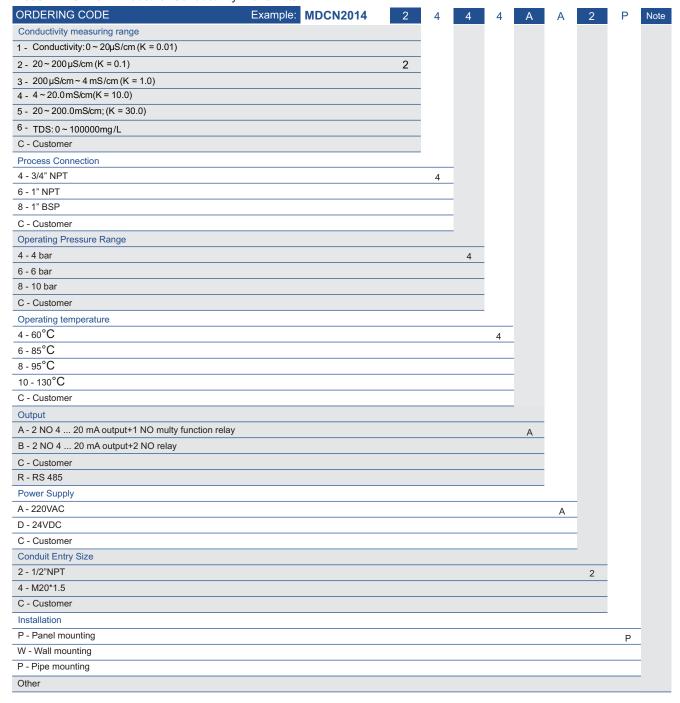
Overall dimensions
 96 × 96 × 130mm

Installation platemounted(embedded); hole size: 91 × 91mm

± 1% F.S

Instrument 0.6kg; protection IP 65

#### Model: MDCN2014 Industrial Conductivity Transmitter







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