

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

■ Accuracy class	1% F.S
■ Accuracy stability	Accuracy will be held for the nominal range for a minimum of 1 years
■ Measuring range	EC: 0.00µS ... 20000µS / Resistivity 0.00 ... 20.00ΩM - CM 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	Linear
■ Response 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
■ Current output Accuracy	0.05 mA
■ Ambient temperature	0 ... +70°C
■ Storage temperature	-20 ... +70°C
■ temperature coefficient	within range -20 to +90°C
■ Communication	RS 485, HART, PROFIBUS PA, FOUNDATION Fieldbus
■ Baud rate	9600/19200/38400
■ Maximum relay contacts	5 A/ 250VAC, 5 A 24VDC
■ One multi function relay	Clean/period alarm/error alarm

- 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

ORDERING CODE	Example: MDCN3014	2	4	4	4	A	N	A	2	P	Note
Conductivity measuring range											
1 - 0.01~20 μ S/cm - K = 0.01											
2 - 0.1~200 μ S/cm - K = 0.1			2								
3 - 1.0~2000 μ S/cm - K = 1											
4 - 10~20000 μ S/cm - K = 10											
5 - 30~600.0mS/cm - K = 30											
C - Customer											
Process Connection											
4 - 3/4" NPT			4								
6 - 1" NPT											
8 - 1" BSP											
C - Customer											
Operating Pressure Range											
4 - 4 bar			4								
6 - 6 bar											
8 - 10 bar											
C - Customer											
Operating temperature						4					
4 - 60°C											
6 - 85°C											
8 - 95°C											
10 - 130°C											
C - Customer											
Output											
A - 2 NO 4 ... 20 mA output+1 NO multi function relay							A				
B - 2 NO 4 ... 20 mA output+2 NO relay											
C - Customer											
Communication											
N - None							N				
H - HART											
P - PROFIBUS PA											
F - FOUNDATION Fieldbus											
R - RS 485											
Power Supply											
A - 220VAC							A				
D - 24VDC											
C - Customer											
Conduit Entry Size											
2 - 1/2"NPT							2				
4 - M20*1.5											
C - Customer											
Installation											
P - Panel mounting								P			
W - Wall mounting											
P - Pipe mounting											
Other											



Address: 7191 Yonge street, Toronto, Canada

Tel: +16472221281(5 line)

Web: www.madecotech.com

Email: Info@madecotech.com