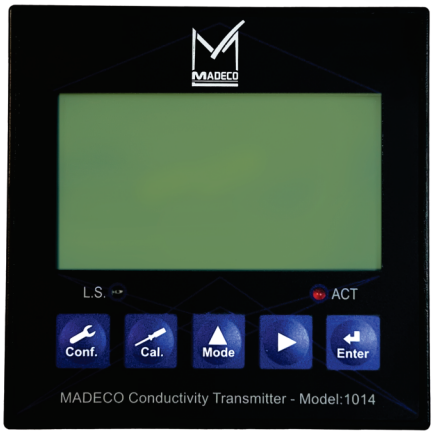
Industrial Conductivity Transmitter
Model: MDCN1014



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

- 96*96 Microcomputer conductivity sensor
- Outdoor waterproof design suitable for wall/disc/round pipe installation.
- Measurements include conductivity, specific resistance, salinity, TDS.
- With backlight sensor, automatic and manual backlight setting function.
- Provide electrode automatic cleaning device contact, program setting output.
- Large image LCM display with operation status and special symbol display
- Can be connected to bipolar or quadrupole conductivity sensor
- Provide digital filter function, filter out interference value to make water quality test more stable.
- With automatic correction; Manual/automatic temperature compensation
- Password lock and key combination entry setting, correction mode design, increase security protection
- With RS-485 standard MODBUS communication protocol, can be directly connected to the digital system
- Two sets of programmable outputs

Description

Conductivity	0.000～200.0mS/cm/0.001μS/cm/ ±1%±1Digit
Specific resistance	.000～20.00MΩ.cm/0.01MΩ.cm/ ±1%±1Digit
Salinity	0.0ppt～70.0ppt/0.1ppt/±1%±1Digit
Temp	-30.0℃～130.0℃/0.1℃/±0.2%±1Digit With manual correction function
TDS	0-19999ppm/0.001ppm/±1%±1Digit
Electrode coefficient	0.01,0.1,1,10.00 1/cm fixed, 0.0050～19.99 1/cm
Temp.compensation	Automatic temperature compensation: PT1000/NTC30K, automatic identification; Manual temperature compensation: button setting
Temp.coefficient	Conductivity linear temperature compensation (0.00% ~ 20.00%) or nonlinear compensation; Specific resistance nonlinear compensation
Cleaning setting	Contact output，ON 0～9999s/OFF 0～999.9h
Relay output	Two sets of ON/OFF contact output high and low points, hysteresis area arbitrary program setting, 240VAC/0.5A
Analog output	2 channels 4 ~ 20mA analog signal output, the user can set the corresponding output value load 500Ω
Power supply AC	100V～240VAC±10%, 50/60Hz
Power supply AC	20~40VDC
Temp	0～50℃
Dimensions	96mm×96mm×148mm（H×W×D）
Protection	Correspond to IP65（NEMA4）
Installation	Wall/panel/pipe mounting
Hole size	91mm×91mm（H×W）

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ORDERING CODE	Example:	MDCN1014	2	4	4	4	A	A	2	P	Note
Conductivity measuring range											
1 - Conductivity: 0 ~ 20μS/cm (K = 0.01)											
2 - 20 ~ 200 μS/cm (K = 0.1)			2								
3 - 200 μS/cm ~ 4 mS/cm (K = 1.0)											
4 - 4 ~ 20.0 mS/cm (K = 10.0)											
5 - 20 ~ 200.0 mS/cm; (K = 30.0)											
6 - TDS: 0 ~ 100000 mg/L											
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 - (-20~60°C)						4					
6 - (-20~85°C)											
8 - (-20~95°C)											
10 - (-30 ~130°C)											
C - Customer											
Output											
A - 2 NO 4 ... 20 mA output+1 NO multy function relay							A				
B - 2 NO 4 ... 20 mA output+2 NO relay											
C - Customer											
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											

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