

Industrial PH & ORP Transmitter

Model: MDPH5081

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

- PH accuracy 0.01pH
- ORP accuracy 1mV
- Measuring range -2 ... 16pH
- 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	0.01 pH - 1mV
■ Accuracy stability	Accuracy will be held for the nominal range for a minimum of 1 years
■ Measuring range	-2 ... 16 pH, ORP -2000 ... 2000mV
■ Resolution	0.01 pH, ORP 1mV
■ Temp.resolution	0.1 °C
■ Temp.Accuracy	0.2 °C
■ Transfer function	Linear
■ Response time	0.1 second
■ ORP/pH & Current output	Isolated 4 ... 20 mA output, max. load 500Ω
■ Temp. Current output	Isolated 4 ... 20 mA output, max. load 500Ω
■ 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 of 0.1 ro 1,000 hours
- **Relay delay** 0 to 120 second
- **Data logging capacity** 500,000
- **Display** Backlight
- **protection** IP 65

MDPH5081 Industrial PH & ORP Transmitter

ORDERING CODE	Example: MDPH5081	H	4	4	4	A	N	A	2	P	Note
Measurement Type											
P - PH transmitter											
O - ORP transmitter											
H - PH&ORP transmitter	H										
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 - 60°C					4						
6 - 85°C											
8 - 95°C											
10 - 130°C											
C - Customer											
Output											
A - 2* 4 ... 20 mA output+1*multy function relay						A					
B - 2* 4 ... 20 mA output+2* 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 - 1/2NPT									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