Multi Channel

Indication / Controller for pH, Dissolved Oxygen and Anti Foam

Features

- Measurement in ppm, mg/l or % saturation
- Two 0/4...20mA current output, galvanically isolated
- Password protection againt accidental parameter change
- Pressure and salinity input for automatic correction
- Pulse length or pulse frequency proportional control
- Integrated PI controller, pulse length or pulse frequency
- Two relay as limit contacts with on/off delay timer
- One relay as alarm contact
- One relay as wash contact
- Hole Function for master -slave operation

DO Electrode

Temperature range	-5...140°C (23...284°F)
Temperature range measurement	0.....80°C (32...176°F)
Detection limit	6 ppb
Accuracy	1% or 6 ppb
Response time at 25°C(77°F) (Air-N2)	98% of final valve<90sec.
Pressure resistance measurement	0.2...6 bar(2.9...87 psi.)
Shaft diameter	12mm.or 25 mm.
Shaft Length	80/160/260/360mm (3.2/6.3/10.2/14.2")
Wetted materials	Stainless steel
Mechanical pressure resistance	Max 12 bar(172 psi)
Built-in temperature sensor	Yes
O-ring	Viton, Silicone (FDA approved)
Membrane type	Teflon, Silicone (reinforced with steel mesh)
Sterilizable	Yes
Autoclavable	Yes

pH Electrode

Temperature range	for operation	0.....80°C (32...176°F)
	for sterilization	0.....130°C (32...266°F)
Pressure resistance		0-2.5 bar (0...36 psig)
Shaft Lengths		120/225/325/425/600mm
Shaft diameter		12mm.
Wetted materials		Glass
System		Argenthal
Reference junction		Ceramic
Number of junction		1
Reference electrolyte		Gel
Chain zero point		E0=7.0
Silver-iron trap		Yes
Sterilizable		Yes
Autoclavable		Yes
CIP-resistance		Yes

Application areas

• D.O. range	Saturation 0...500%..... Concentration 0.....20 ppm.
• Accuracy	0.5% of measured value
• Temperature input	NTC 22kV.0...50°C
• Current Output	2x0/4.....20mA.
• Power supply	80-250 V.AC
• pH-range	-1...15 pH

• mV-range	-1500...+1500mV
• Accuracy	0.03 pH/63 mV
• Temperature input	PT100/PT1000(jumper selectable)
• Current Output	2x0/4...20mA.
• Control function	PI controller ;pulse length and pulse frequency
• Power supply	80-250 V.AC