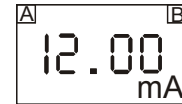


Models 672P (pH) and 672R (ORP) Analyzers



- Can be configured to accept any pH/ORP Sensor (DEMT/COMBI)
- In-built 14 standard buffer tables (pH Vs Temp) for accurate pH calibration
- Two-fully programmable relays for ON/OFF control with DB
- User friendly calibration/configuration (local/remote)
- pH/ORP Temperature calibration (Two points/single point)
- Auto/fix temp. Compensation (for pH only)
- Isolated analog outputs (4-20 mA, 0-5 VDC, 0-1mA)
- NEMA 4X/IP65, ½ DIN Polycarbonate enclosure
- Multiple displays



Specifications

Operational:

Display.....	4-1/2 digit LCD with measurement unit and setup function identifiers; 7/8 inch (22 mm) high digits
Measuring Range: Model 672P :	0.00 to 14.00 pH, (-)500 to (+)500 mV, and (-)10.0 to (+)110.0 °C/(-)50.0 TO (+)230°F
Model 672R :	(-)2000 to (+)2000 mV, and (-)10.0 to (+)110.0 °C / (-)50.0 to (+)230°F
Ambient Conditions	-22 to 122 °F (-30 to 50 °C), 0 to 95% relative humidity, non-condensing
Relay Function: Operating Modes	Control : with set point and adjustable deadband. Alarm : Dual-alarm relay operation with low and high alarm points.
Outputs	Two SPDT contact outputs, U.L. Rating: 5A 115/230 VAC, 5A @ 30 VDC resistive
Temperature Compensation	Automatic 0-100 °C (32-212 °F); accepts Pt 1000 Ω RTD or NTC 300Ω thermistor temperature Sensor, switch selectable

Sensor-To-Analyzer-Distance:

BI 5-wire (In-built Preamplifier) Sensor.....	3000 ft. (914 m) maximum;
Conventional Combination Electrode	10 ft. (3 m) maximum for direct connection (BI Model 714 preamplifier is required for distances greater than 10 ft./3 m)
Power Requirements	98-132 VAC, 50/60 Hz. optional 196-264 VAC, 50/60 Hz. (Less than 5 VA)
Analog Outputs ▲	Isolated 4-20 mA, 1000 Ω maximum load (Range Expandable)
(with output hold feature)	Isolated 0-5 VDC, 1000 Ω minimum load Isolated 0-1 mA, 100 Ω maximum load

Range Expand - The analog outputs can be made to represent a one pH unit or 50 mV / (ORP).

▲ Each output is isolated from the input, ground and line power, but not from each other.

Analyzer Performance

(Electrical, Analog Output):

Sensitivity	0.05% of span
Stability	0.05% of span per 24 hours, non-cumulative
Non-Linearity	0.05% of span
Repeatability	0.05% of span or better
Temperature Drift	Zero: 0.01% of span per °C Span: 0.01% of span per °C
Response Time	Selectable; 1, 10 or 30 seconds to 90% of value upon step change.

Mechanical:

Enclosure	NEMA 4X, ½ DIN, Polycarbonate with two ½ - inch conduit holes and two stainless steel mounting brackets
Mounting.....	Surface, panel, and horizontal pipe mount; vertical pipe mount optional
Net Weight	3 lbs. (1.36 kg approximately)

Ordering Information

MODEL NUMBER

672P pH Microprocessor-based analyzer in NEMA 4X, ½ DIN Polycarbonate enclosure with
 672R ORP two stainless steel brackets for panel, surface or horizontal pipe mounting.

LINE VOLTAGE

- 1 115 volts, 50/60 Hz. Single-fused (for single phase line power)
- 6 230 volts, 50/60 Hz. Dual-fused (for split phase line power)

ANALOG OUTPUT

- I0 – Without 4-20 mA output
- I1 – With 4 – 20 mA output (plus Isolated 0-1mA / 0-5VDC)

CONTROL OUTPUT

- R0 – Without Relay
- R1 – With Relays

N Standard Instrument

K Special Options

- T1 ● Time- proportional control
- T2 ● 4-20 mA output for Temperature
- T3 ● Customized designs for OEMS
- T4 ● Resolution 0.001 pH

672

Choose one from each category.

Dimensions

Inches (mm)

