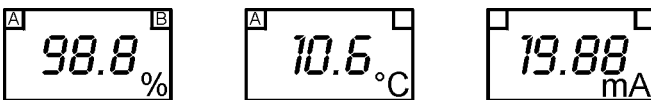


Model 672E Electrode Conductivity and % Concentration Analyzer

- Measure Conductivity or % Concentration.
- Built-in Concentration Tables.
- Four Temperature Compensation Methods.
- Simple Automated Calibration.
- Multiple, Standard Outputs.
- Flexible Relay Control.
- NEMA 4X Protection.
- Multiple Displays



■ Specifications

Operational:

Display	4-1/2 digit LCD with measurement unit and setup function identifiers, 7/8" (22 mm) high digits		
Measuring Ranges: (selectable)	<u>MicroSiemens/cm</u>	<u>milliSiemens/cm</u>	<u>Siemens/cm</u>
	0.0-200.0 μ S/cm	0.0-20.00 mS/cm	0.0-2.00 S/cm
	0.0-2000.0 μ S/cm	0.0-200.00 mS/cm	0.0-2000 mS/cm

NOTE : The listed full-scale value for any range is decreasingly adjustable

Concentration	0.0-100.0%
Temperature	(-) 10.0 to (+) 200.0°C (14 to 392°F)
Ambient Conditions	-20 to 60°C (-4 to 140°F); 0 to 95% relative humidity, non-condensing.
Relay Functions :	
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 115/250 VAC, 5A @ 30 VDC resistive.
Auto Temperature Compensation	None,
(Selectable)	User-entered linear % per °C User-entered temperature curve vs % / °C Automatic over-10 to +200 °C when using built-in solution concentration conversion table. Accepts Pt 1000 ohms RTD temperature sensor.
Sensor-To-Analyzer Distance:	<u>Full scale range</u> <u>Max. length</u>
	200 to 2000 microSiemens/cm 200 feet
	2000 to 2,000,000 microSiemens/cm 300 feet
Power Requirements	100-137 VAC, 50/60Hz (less than 6VA), Optional 200-275 VAC, 50/60 Hz
Analog Outputs*	Isolated 4-20 mA, 600 ohms maximum load
(with output hold feature)	Isolated 0-5 VDC, 50K ohms maximum load Isolated 0-1 mA, 100 ohms Maximum load

Range Expand – The analog outputs can be made to represent any segment of the measuring scale.

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

Analyzer Performance

(Electrical, Analog Output):

Sensitivity	0.3% of span
Stability	0.1% of span per 24 hours, non-cumulative
Non-Linearity	0.5% of span
Repeatability	0.2% of span or better
Temperature Drift	Zero: 0.025% of span per °C; Span: 0.025% of span per °C
Response Time	Selectable; 0.1, 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 mounting optional
Net Weight	3.5 lbs. (1.58 kgs) approximately

Ordering Information

MODEL NUMBER

672E Microprocessor-based analyzer in NEMA 4X, 1/2 DIN enclosure with two stainless steel brackets for panel, surface or pipe mounting.

LINE VOLTAGE

V1 115 volts, 50/60 Hz. Single-fused (for single phase line power)
V2 230 volts, 50/60 Hz. Dual-fused (for split phase line power)

N Standard Instrument
K Special Instrument

Product Number (Specify Range)

Choose one from each category.

Dimensions

Inches (mm)

