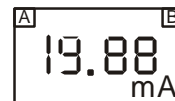
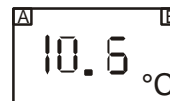
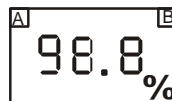


## Models 672E Electrodeless Conductivity and % Concentration Analyzer



- 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 inch (22 mm) high digits

Measuring Ranges: (selectable).....	<u>MicroSiemens/cm</u>	<u>milliSiemens/cm</u>	<u>Siemens/cm</u>
	0.0-200.0 $\mu$ S/cm	0.0-20.00 mS/cm	0.0-2.00 S/cm
	0.0-2000 $\mu$ S/cm	0.0-200.0 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 .....	-22 to 60 °F (-4 to 140 °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 115/250 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 $\Omega$ 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, 50/60 Hz. (Less than 6 VA); optional 200-275 VAC, 50/60 Hz.
Analog Outputs $\blacktriangle$ .....	Isolated 4-20 mA, 600 $\Omega$ maximum load
(with output hold feature)	Isolated 0-5 VDC, 50K $\Omega$ minimum load Isolated 0-1 mA, 100 $\Omega$ maximum load

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

$\blacktriangle$  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, 1/2 DIN, Polycarbonate with two 1/2-inch conduit holes and two stainless steel mounting brackets
Mounting .....	Surface, panel, and horizontal pipe mount; vertical pipe mount optional
Net Weight .....	3.5 lbs. (1.58 kg) approximately

## Ordering Information

### MODEL NUMBER

**672E3** Microprocessor-based analyzer in NEMA 4X, ½ DIN enclosure with two stainless steel brackets for panel, surface or pipe mounting.

### ANALOG OUTPUT (Isolated 0-1 mA/0-5 VDC plus:)

**F** Isolated 4-20 MA

### 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)

**N** Standard Instrument

**K** Special Instrument

672E3

Product Number

Choose one from each category.

## Dimensions

Inches (mm)

