# Models 697 Non-Indicating Two-wire **Contacting & Electrodeless Conductivity Transmitters**



## Specifications.

Operational:			
Measuring Range	697C	0-5 to 0-20,000 µSiemens/cm	
	697E	From 0-500 to 0-1,000,000 microSiemens/cm	
Ambient Conditions		20 to + 158°F (-30 to +70°C), 0 to 100% R.H.	
Sensor-to-Transmitter Distance		697C100ft. (30m) maximum.	
		697E200ft. (60m) Maximum.	
Output Transmission Distance		Limited only by wire resistance/power supply voltage	
Power Requiremer	nts		
Temperature Compensation		Automatic 32-212°F (0-100°C), Slope adjustable (0-4.0% per	C)
Temperature Input	•••••		
		697 E: accepts Pt 1000 ohm BTD	

## Performance (Electrical, 4-20 mA out, Isolated/Non-Isolated):

Sensitivity	.0.1% of span
Stability	0.2% of span per 24
	hours, Non-cumulative
Non-Linearity	0.4% of span
Repeatability	0.2% of span or better
Temperature Drift	Zero and Span: 0.08%
	of span per °C
Response Time	.2 seconds to 90% of value
	upon step change

Insertion loss at 20 mA....5.7 VDC (785  $\Omega$  max. Insertion loss in 4-20 mA loop) Enclosure (optional).....NEMA 4X, Polycarbonate, surface mount Net Weight (less opt. enclosure).....0.6 lbs. (0.27 kg) approx.

## **Ordering Information**



Choose one from each category.

# For the following measuring range categories,

• Sensors - Model 697C1 and 697E3 transmitters can only be used with sensors described on data

Measuring Range

0-5 through 0-500

(microSiemens/cm)

0-100 through 0-5000

0-2000 through 0-20,000

sheets 30000 and 4700 respectively.

use a contacting conductivity sensor with the correspondingly listed cell constants.

Sensor

Cell Constant

0.05

0.5

10.0

# Accessories (ordered separately

## Interconnect Cables

99X1W0979	5-wire cable (4 cond. plus shield)
	for contacting conductivity sensors

99X1W1103 7-wire cable (6 cond. plus shield) for electrodeless conductivity sensors

## Dimensions

Inches (mm)



ALL DIMENSIONS ARE IN INCHES [mm]



6/309, Jogani Industrial Complex, V. N. Purav Marg, Chunabhatti, Mumbai - 400 022. Tel.: 022 - 2405 5601 - 06 Fax.: 022 -2405 5952. Email. : belainst@vsnl.com Website.: Www.belainstruments.com

For Upgradation, BI reserves the rights to alter the specifications at any time.