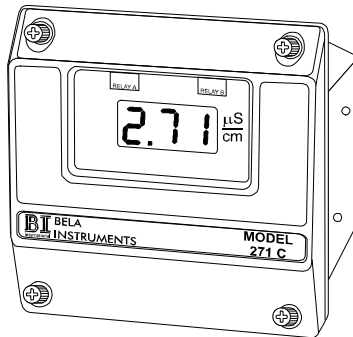


## Model 271 TWO-CHANNEL Conductivity Analyser Water Purification Equipment Monitor



- "Two Instruments in one" makes excellent choice for OEMs
- Dual channel conductivity measurement (e.g. Feed and product water) (Optional Single Channel)
- Choice of cell constant
- Auto temperature compensation to 25°C, range 0-125°C
- 0.01 μS/cm resolution for 0-20 μS/cm
- Ranges: 0-20, 0-200, 0-2000 μS/cm and 0-20, 0-100 mS/cm
- Continuous 0-5 VDC/0-1 mA outputs for both channels for alarm, control or record
- Non-interacting isolated 4 - 20 mA output, range expandable to 10% of scale.

- Frequency output 200Hz to 2Khz
- Two programmable relays operate on increasing or decreasing conductivity, switch selectable. One relay for each channel.
- 3 1/2-digit, 0.75" high visibility LCD
- Front panel identification for selected channel and relays
- NEMA 4X (IP 65) enclosure (panel cut out 1/2 DIN)
- Universal mounting
- Economical - ideal for custom system designs (OEM)

### Specifications

#### Operational

Display: Digital .....	3 1/2-digit, 0.75" LCD
Ambient Conditions .....	-30 to 50 °C (-22 to 122 °F), 0-100% R.H. non-condensing
Relays <sup>1</sup> 1 (1 & 2) .....	For ON/OFF control. One for channel.
Control set point .....	Continuously adjustable, 0-100 % of full scale.
Control Dead Band .....	Fix (Optional adjustable, 0-15 % of full scale.)
Indicators .....	LED lights when respective relay turns on
Contact Rating .....	SPST, 5A, 115/250 VAC, 5A 30 VDC resistive Potential free
Power Requirements .....	98-132 VAC, 50/60 Hz (less than 5 VA), optional 195-265 VAC, 50/60 Hz, connections via terminal strip.
Analog outputs: Standards .....	a) For each channel, Non-expandable and non-isolated: 0-1 mA, 100 ohms maximum load OR 0-5 VDC, 500K ohms
minimum load .....	
Sensors to Analyzer Distance .....	300 feet maximum

- Notes:
1. Control relay turns on in response to increasing reading (standard version). Option: CONTROL MODE Switch Selectable.
  2. Range Expand - The 4-20 mA output can be made to represent a selected segment of the display scale. This segment can not be smaller than 10% of the scale span, but may be positioned anywhere within that span.
  3. Either 4-20mA analog output OR frequency output is available.

#### Performance (Electrical, 4-20 mA Outputs)

Sensitivity .....	0.1% of full scale
Stability .....	0.1% of full scale per 24 hrs., non-cumulative
Repeatability .....	0.1% of span
Non-Linearity .....	0.5% of span
Temperature Drift .....	Zero: 0.02% of span/C, Span: 0.02% of span/C
Response Time .....	3 seconds to 99%

#### Mechanical

Enclosure .....	NEMA 4X, polycarbonate, with two 1/2" conduit holes and stainless steel mounting brackets. Surface, panel and optional pipe mount.
Net Weight .....	1.36 Kgs. approx.

