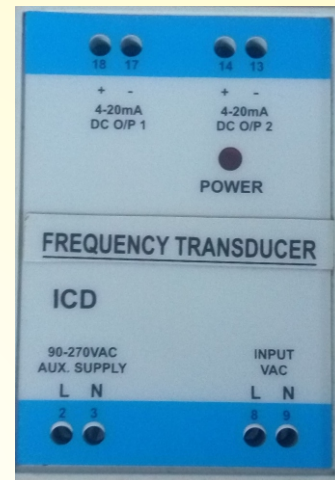


# FREQUENCY TRANSDUCER

Frequency Transducer is a versatile for LT/HT application. It measures basic electrical quantity Frequency. We can get single or dual output of 4-20 mA with respect to the input. Auxiliary supply of 90 - 270 v AC needs to be provided for operation of the transducer.

## Features

- Accuracy  $\pm 0.5\%$  OFS
- Confirms to IS IEC60688
- Long Term Stability
- Isolated between circuits
- Load Resistance of  $750\Omega$
- Low Burden on PT
- Fast Response
- Two isolated outputs (optional)
- Rest on panel through Rail mounting



## Technical Specification

Type	AC Current Transducer
Nominal Input	120 V AC, 240 V AC $\pm 25\%$
Output Signal	4 - 20 mA
Frequency Range	45 to 55 Hz
Output Accuracy	$\pm 0.5\%$ OFS
No. Of Output	Single / Dual
Response Time	<0.5 Secs
Load Resistance	0 - 750 Ohm
Isolation	2 kV AC For one Minute & Input / Output / Power / Case
Input Burden	1.5 VA at Full Scale
Temperature Effect	$\pm 0.001\%$ / $^{\circ}\text{C}$
Temperature	0 - 55 $^{\circ}\text{C}$
Humidity	40 - 95 % RH

Mounting	Din Rail
Material	ABS Plastic
Dimension	100 (W) x 70 (H) x 110 (D) mm for Single Output
Terminations	Suitable Metal Screw Connectors for 2.5 Sq.mm Wire
Terminal	Aux. Supply / Input / Output 1 / Output 2
Auxiliary Supply	90 - 270VAC/DC

## APPLICATIONS

- Electrical distribution panels
- SCADA systems
- Generating stations, transmission & distribution
- Control panels & Instrument panels



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