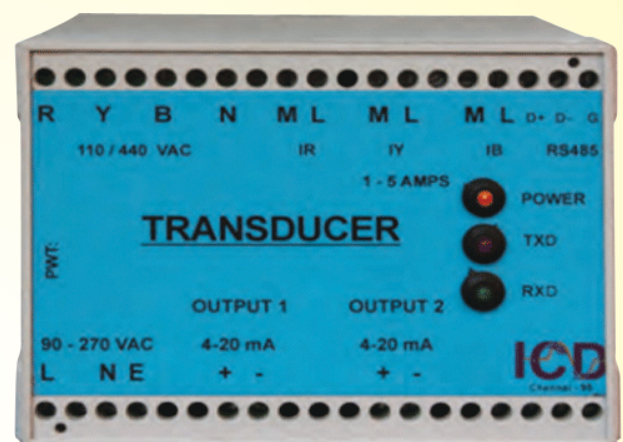


WATT/VAR/PF TRANSDUCER

Power Transducer is a versatile all combination product for LT/HT application and 3 phase / 3 wire/4 wire measuring means. It measures most of the basic electrical quantity like V, I, PF, Freq, W, VA & VAR. It gives 2 current outputs equivalent to the measured basic electrical quantities. While in field operation, the measured parameters are available to computer system for logging continuously. The RS485 is suitable for multi drop communication; hence logging of similar transducer with network could be possible. PT comply with IEC 60688 standards and EMIC/EMI standards. PT housed in compact Din-Rail mounting, ABS enclosure.

Features

- Accuracy $\pm 0.5\%$ OFS
- Confirms to IS IEC60688
- Long Term Stability
- Isolated between circuits
- Load Resistance of 500Ω
- Low Burden on PT
- Fast Response
- Two isolated outputs (optional)
- Rest on panel through Rail mounting



Technical Specification

Type	WATT/VAR/VA/POWER FACTOR INTO SIGNAL CONVERTER
Configuration	Three phase Three Wire / Three Phase Four Wire (To be specified)
Input Voltage	HT : 25 - 140 V AC (OR) LT : 80 - 520 V AC (LL) To be Specified
Input Current	0-5 A / 0-1 A AC (To be specified) 3 number Current Input for 3Ph 4 Wire from R,Y,B 2 number Current Input for 3Ph 3 Wire from R & B
Working Current Range	2 % to 120 % of Load Current
Over Current Capacity	10 Amps for 5 Seconds, 1.5 times Ib for Continuous
Accuracy	$\pm 0.5\%$ OFS.
Stability	$\pm 0.05\%$ One Year

Output	4 - 20 mA Loading Resistance Maximum 500Ω 4-20 mA for VAR & PF 4-12-20mA for imp & exp Power. Any one of Parameter Selection by RS 485 Communication
Parameter Selection	Through Rs 485 Communication (W/VA/VAR/PF)
No. Of Output	Single / Dual Output
Isolation	2kV AC for one Minute & Input / Output / Power / Case
Measurement	Two Quadrant / Four Quadrant
Calibration	Digital Calibration through Communication Port
Power Factor Range	0.1 Lag - 1 - 0.1 Lead
Response Time	<0.5 Secs
Di Electric Test	2kV AC for 1 minute
Operating Frequency	50 Hz ± 10 %
EMC / EMI Standards	As per Relevant Standard EN61000-4-5
Auxiliary Supply	90 - 270 V AC, 50 Hz
Ambient	0-55 °C
Humidity	40-95 % RH Non Condensing
Enclosure	ABS Plastic
Dimension	75(H) x 100(W) x 110(D)mm
Mounting	Din Rail (35mm)

Applications

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



INDUSTRIAL CONTROLS & DRIVES (INDIA) PVT. LTD.

#33, Mettukuppam Road, (Via Alapakkam Road)
Maduravoyal, Chennai - 600 095, Tamilnadu, India
Tel : +91 44 4293 4322, 4293 4324, 2378 1753
Email : sales@icdipl.net, Web : www.icdipl.net

