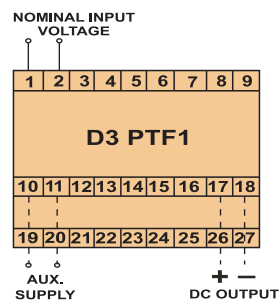


# TECHNICAL DATA SHEET FOR D3 PTF1

## LINE FREQUENCY TRANSDUCER



### Introduction:

- \* Frequency transducer
- \* Output (DC) single or dual
- \* Accuracy 0.5%

### APPLICATION:

- \*Generator Panels.
- \*Instrumentation Panel.
- \*Control Panels in Power Plant.

### Operations:

The input frequency signal is scaled down through interposing potential transformer. The scaled down signal is fed to a precision frequency to voltage converter stage, its output is processed to provide DC Voltage/ Current Proportional to Line Frequency.

### Our Other Products

Alarm Annunciator, Motor/Pump Protection Relays, EOGR, EMPR ,  
Phase Failure Relay + UV / OV Relays, Voltage/Current/ Frequency/Reverse Power Monitoring Relays,  
Earth Fault/ Leakage Relays, Pump Automation Management system & Controllers, Water Level Controller,  
Electronic Timers, Power Line Transducers (V/I/KW/Multi-function/DC-DC Isolators or Barrier/Temp/Resistance/Tap position etc.),  
Multi-function Meter, Twin Window/Split AC Controller, Bearing temp Monitoring relays(PT-100)

**mimilec**<sup>®</sup>

### TECHNICAL SPECIFICATIONS:

1. Auxiliary supply voltage	24/48VDC $\pm$ 20%, Self Powered, 80-300VAC / DC 110 V AC/DC, 50Hz
2. Power Consumption	3.5 VA - AC, 4 VA - DC
3. Input Value I in V in	Freq. Range 45 to 55 Hz/40-60 Hz/55-65 Hz/48-52Hz 63.5/110/240/415V
4. DC output (Single / Dual)	0-1 mA, 0-10mA, 0-20mA , 4-20mA, 0-5V, 0-10V DC other optional on Request
5. No of Signal output	Single (Optional Dual output )
7. Input / Output Isolation	Galvanic
8. Temperature	0 deg. C. To +55 deg. C.
9. Humidity	Up to 95% RH Non-condensing
10. Dimensions (L x W x D)	75 x 83.5 x 117.5
11. Weight	575 gms.

### COMMON SPECIFICATIONS:

Output Load Resistance (Rout) For Current Output For Voltage Output	Max. 10V/I out (optional Max. 15V/Iout) 10Johm (min.)
Output Ripple	Less than 0.5% of Span (peak to peak)
Auxiliary Supply Burden	Less than 4VA
Insulation Resistance	More than 100 Mohms at 500 V DC
Zero Span Adjustment	Optionally provided
Terminals	Suitable for 2.5 sq.mm wires
Enclosure Type	ABC Plastic, Ingress Protection IP40