

# OSI WIDE-RANGE FREQUENCY TRANSDUCER MODEL DFTA-

## FEATURES

- Provides analog output which is proportional to the input frequency over wide ranges.
- Digital period measurement delivers accurate frequency measurement.

## APPLICATIONS

- For use on any application that requires measurement for generation or energy management.
- Applications that require compact DIN packaging or CE & CSA approvals.



**5 YEAR WARRANTY**



## MODEL SELECTION

INPUT FREQUENCY (Hz)	STANDARD OUTPUTS MODEL DFTA-				
	0-1mA <sub>dc</sub>	0-10V <sub>dc</sub>	0-5V <sub>dc</sub>	4-20mA <sub>dc</sub>	0-20mA <sub>dc</sub>
10-55	005B	005D	005X5	005E	005EA
10-65	004B	004D	004X5	004E	004EA
10-100	002B	002D	002X5	002E	002EA
10-425	006B	006D	006X5	006E	006EA
10-1000	003B	003D	003X5	003E	003EA

## ORDERING INFORMATION

Example: 10-100Hz, 10-100V Input, 0-5V<sub>dc</sub> Output proportional to 10-100Hz.

**DFTA-002X5**

DIN Rail lengths available - Consult factory

All standard models require instrument power.

Additional frequency and voltage ranges available - Consult factory

Differential Frequency Transducers also Available - Consult Factory

## SPECIFICATIONS

### INPUT

Frequency Range ..... See Table  
 Voltage Range ..... 10-230V  
 AC Waveforms ..... Sine, square or triangle  
 Burden ..... <1.0VA  
 Overload ..... 120% F.S. Voltage

### OUTPUT

Loading  
 "B" models ..... (0-1mA<sub>dc</sub>) ..... 0-15kΩ  
 "D" & "X5" models .... (0-10V<sub>dc</sub>, 0-5V<sub>dc</sub>) ..... 2.5kΩ min.  
 "E" & "EA" models .... (4-20mA<sub>dc</sub>, 0-20mA<sub>dc</sub>) ..... 0-750Ω  
 Response Time ..... 4 Periods of Input Frequency

### INSTRUMENT POWER

Standard ..... 85-230V<sub>dc/ac</sub>, 50/60Hz, 3.0VA

### DIELECTRIC TEST

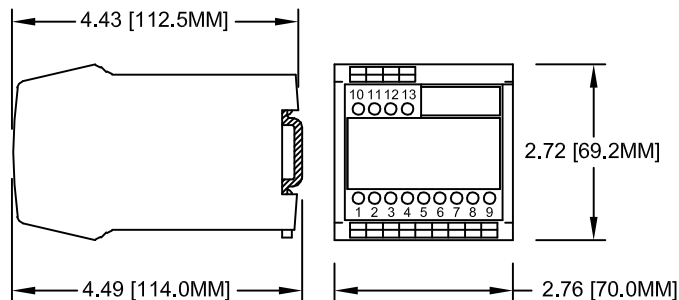
Input to Instrument Power/Output/Case ..... 3700Vac  
 Instrument Power to Output/Case ..... 3700Vac  
 Output to Case ..... 490Vac

ACCURACY ..... ±0.2% of Span  
 Output Ripple ..... <0.5% p.p.

### TEMPERATURE & PHYSICAL

Temperature Range ..... -10°C to 55°C  
 Termination ..... #10 AWG max.  
 Net Weight ..... 0.7 lbs

## CASE DIMENSIONS AND CONNECTION DIAGRAM

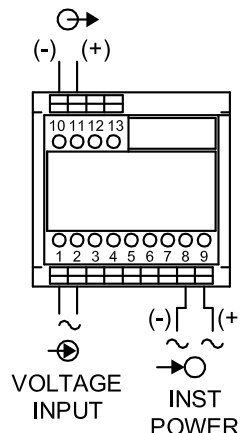


### NOTES

1. DIMENSIONS ARE IN INCHES [MM].
2. MOUNTED ON 35MM TOP-HAT DIN-RAIL.

Dwg# 0902-00869-B Rev --

### ANALOG OUTPUT



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