

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 _d c | 0-10V _d c | 0-5V _d c | 4-20mA _d c | 0-20mA _d c |
| 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_dc 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_dc) 0-15kΩ
 "D" & "X5" models (0-10V_dc, 0-5V_dc) 2.5kΩ min.
 "E" & "EA" models (4-20mA_dc, 0-20mA_dc) 0-750Ω
 Response Time 4 Periods of Input Frequency

INSTRUMENT POWER

Standard 85-230V_dc/ac, 50/60Hz, 3.0VA

DIELECTRIC TEST

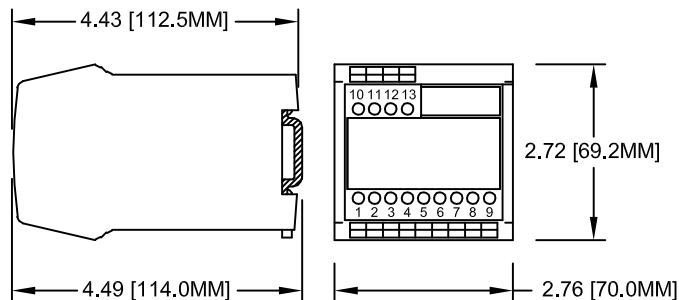
Input to Instrument Power/Output/Case 3700Vac
 Instrument Power to Output/Case 3700Vac
 Output to Case 490Vac

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

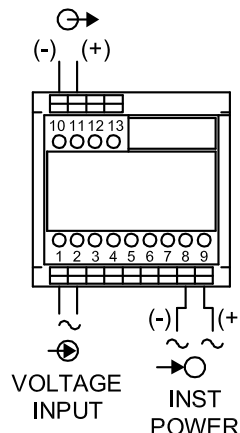


NOTES

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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