

FREQUENCY TRANSDUCERS

FREQUENCY TRANSDUCER

MODEL AFT

FOR USE ON POWER FREQUENCY APPLICATIONS

FEATURES

- High accuracy over wide frequency ranges.
- Provides analog output which is proportional to the instantaneous frequency of the input signal.
- UL and CUL listed.

APPLICATIONS

- For use on any application that requires indication or recording of instantaneous frequency variations.
- Each model covers all input voltages from 3V to 575V.

INPUT FREQUENCY	STANDARD OUTPUTS MODEL AFT-					
	0 - 1mA _{dc}	0 - 10V _{dc}	0 - 5V _{dc}	4 - 20mA	4 - 20mA*	0 - 20mA
45 - 55	050-10B	050-10D	050-10X5	050-10E	050-10E2	050-10EA
55 - 65	060-10B	060-10D	060-10X5	060-10E	060-10E2	060-10EA
375 - 425	400-50B	400-50D	400-50X5	400-50E	400-50E2	400-50EA
0-10	010B	010D	010X5	010E	010E2	010EA
0-55	055B	055D	055X5	055E	055E2	055EA
0-65	065B	065D	065X5	065E	065E2	065EA
0-100	100B	100D	100X5	100E	100E2	100EA
0-425	425B	425D	425X5	425E	425E2	425EA
0-1000	1000B	1000D	1000X5	1000E	1000E2	1000EA



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115Vac, 50/60Hz instrument power is required on all units.
Optional 230Vac Instrument Power - Add suffix "-22"

* Output is loop-powered from 15-24V_{dc}
 (also requires instrument power)
 Consult factory for special frequency ranges.

ORDERING INFORMATION

Example: 55-65 Hz. Input, with
 0-5V_{dc} Output
AFT-060-10X5

SPECIFICATIONS

INPUT

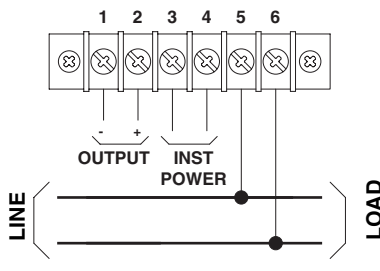
Frequency Range See Table
 Voltage Range 3-575V
 Burden 1.25VA
 Overload 575V
 Dielectric Test
 Input to Output/Inst. Pwr 3250Vac
 Inst. Pwr. to Output 2200Vac
 Case to Input/Output/Inst. Pwr. 2200Vac
 Instrument Power 115Vac, 50/60Hz, +15%, 15VA max.
 "-22" Option 230Vac, 50/60Hz, +15%, 15VA max.

OUTPUT

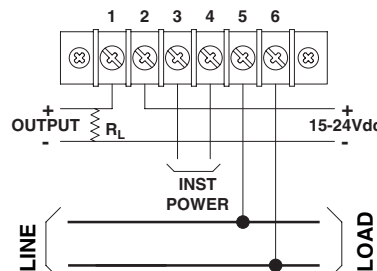
ACCURACY + 0.05% R_{dg} +0.05% Span
 Output Loading (Ohms)
 0-1mA 0-10K
 10V & 5V 2K min.
 4-20mA, 0-20mA 0-500
 Output Ripple +1.0% F.S.
 Response Time <200 milliseconds
 Temperature Range -20°C to +60°C
 Temperature Effect +0.005%/°C

CASE DIMENSIONS

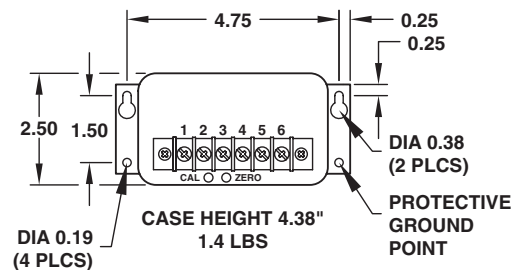
MODELS WITH B, D, X5, E, EA OPTIONS



MODELS WITH E2 OPTIONS



CONNECTION DIAGRAMS



All Dimensions In Inches

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