



WIDE RANGE FREQUENCY TRANSDUCER MODEL FTA

ACCURATE TO 0.5% OF SPAN

FEATURES

- Provides analog output which is proportional to the input frequency range.

INPUT FREQUENCY	
RANGE (Hz)	DESIGNATION
0 to 10	001
0 to 55	005
0 to 65	004
0 to 100	002
0 to 425	006
0 to 1000	003

INPUT VOLTAGE	
RANGE (V)	DESIGNATION
1 to 10	01
5 to 50	02
10 to 100	03
80 to 150	04
150 to 300	05
300 to 600	06

APPLICATIONS

- For use on any application that requires measurement over a wide frequency range.



STANDARD OUTPUTS MODEL FTA				
0-1mA	0-10Vdc	4-20mA	0-20mA	0-5Vdc
ADD SUFFIX 'B' TO PART NUMBER	ADD SUFFIX 'D' TO PART NUMBER	ADD SUFFIX 'E' TO PART NUMBER	ADD SUFFIX 'E1' TO PART NUMBER	ADD SUFFIX 'X5' TO PART NUMBER

All standard models require 85-135VAC instrument power.

Optional 220VAC instrument power-Add suffix "-22"

**ADDITIONAL FREQUENCY RANGES AVAILABLE
CONSULT FACTORY**

ORDERING INFORMATION

Example: 0-100 Hz., 10-100V input,
0-5Vdc output proportional to 0-100 Hz.
FTA-002-03X5

MODEL FTA SPECIFICATIONS

INPUT

FREQUENCY RANGE: See table

VOLTAGE RANGE: See table

AC WAVEFORMS: Sine, square, or triangle

OVERLOAD: 2 times rated, or a max. of 700V

IMPEDANCE (OHMS): Less than 500K

ISOLATION (Input/Output/Case): 700VAC/1000V PK
(Instrument power to Input/Output/Case): 1500VAC

OUTPUT

OUTPUT RIPPLE: +/- 1.0% F.S.

OUTPUT LOADING (OHMS):

0-1mA: 0-10K

0-10Vdc, 0-5Vdc: 2K min.

4-20mA, 0-20mA: 0-500

RESPONSE TIME:

0-10 Hz.: 1.0 Second

0-100 Hz.: 400 milliSeconds

0-1000 Hz.: 200 milliSeconds

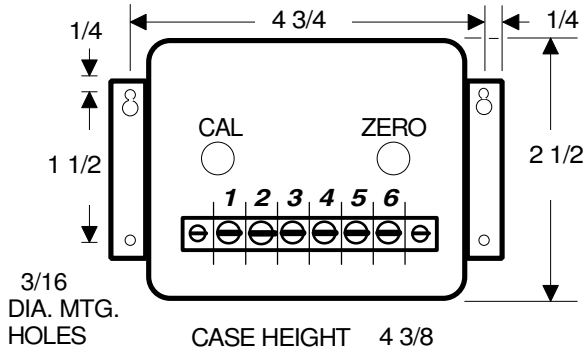
ACCURACY +/- 0.5% of span

TEMPERATURE EFFECT (-20°C to 60°C):

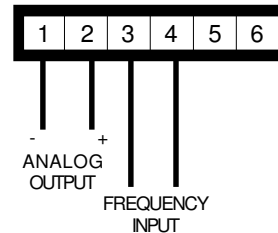
+/- 0.02%/°C

INSTRUMENT POWER (STD.): 85-135VAC, 50-400Hz.

CASE DIMENSIONS



CONNECTION DIAGRAM



AC instrument power-terminals 5, 6.

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