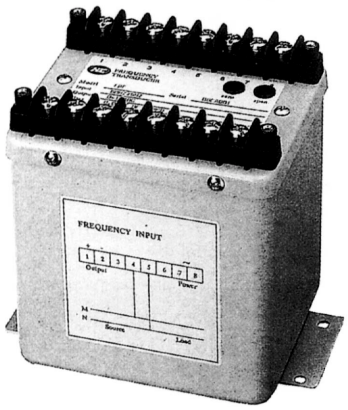
FREQUENCY TRANSDUCER



Applied Standards & Rules

Measuring and conversion	IEC 688 / 1992 - 04
Dielectrical strength	IEC 688 2KVac / 1 min.
Surge and Impulse test	ANSI C37.90 / 1989
	IEC 255-3 (1989) 4KV 1.2 x 50 us

Order form

FPF ■ ■ ■ / ■

Fn Pn On Dn Example : FPF-A2-F2-P1-O3/D1

Input & Output parameters

Fn : Frequency input	**Fn** range	**F1** 50 Hz	**F2** 60 Hz	**F3** 400 Hz	**Fy** Specified	**On** : Output		
						O1 0-1 mA	**O2** 0-20 mA	**O3** 4-20 mA
Pn : Auxiliary power	**Pn** rating range	**P1** AC120 V 120 V ± 15%	**P2** AC240 V 240 V ± 15%	**P3** Internal Powered	**Py** Specified	**O4** 0-1 V	**O5** 0-5 V	**O6** 0-10 V
Dn : Band	**Bn** range	**B1** ±0.5 Hz	**B2** ±1 Hz	**B3** ±2 Hz		**O7** 2-10 V	**Oy** Specified	
		B4 ±5 Hz	**B5** ±10 Hz					

Py : DC24 / 48 / 125 V ±15% or other range under specified
Voltage input range : 30 - 600 Vac

Note

1. External power mode suitably for all output types
   Internal power mode, only suitably for 0-1mA / 0-20mA / 0-1V / 0-5V / 0-10V output

Specification

Accuracy (23°±3°C)	0.025% of named frequency + 0.02% RO
Maximum output load	DC current mode : maximum 10V drop
	DC voltage mode : maximum 5mA drive
Dielectric strength	AC 2KV 1 minute / terminals; AC 2.6KV 1 minute / terminals to case
Surge and impulse test	ANSI C37.90 / 1989, IEC 255-3 (1989) 4 KV 1.2 x 50 us
Input burden	Current less 0.2 VA; voltage less 0.1 VA
Response time & ripple	≦ 400 ms for step change 0-99% ripple less 0.5% ro peak to peak
Frequency	50 Hz; 60 Hz; 400 Hz
Waveform	Watt - 20% 3rd, Var - sinusoidal
Stability	Temperature range (-20 to +65°C) long term stability / year
	Maximum 60 ppm / °C less 0.1% draft / year typically
Storage condition	Temperature range -25 to 70°C, RH 20 to 95% non condensed
Operating condition	Temperature range -20 to 65°C, RH 0 to 99% non condensed
Magnetic field effect	< 0.01% under 100 ampere turns at 1M center
Power dissipation	Maximum 3.5 VA

Terminal Connection