

	Technical Spec	ifications
Signal Input	Maximum Frequency	7kHz (tachometer rpm or rate modes) 9999Hz (frequency meter mode)
	Minimum Frequency	0.01Hz
AC Voltage Input	Range	10 to 600 VAC
Magnetic Sensor Input	Sensitivity	Vin min. $\ge$ 30mV for f $\le$ 120Hz Vin min. $\ge$ 100mV for f $\ge$ 1kHz
NAMUR Sensor Input	R <sub>C</sub>	1.5kΩ
	I <sub>ON</sub>	< 1mA DC
	I <sub>OFF</sub>	> 3mA DC
NPN/PNP Sensors Input	R <sub>C</sub>	3.9kΩ (NPN) ; 1.5kΩ (PNP)
	Logic level "O"	< 2.4 VDC
	Logic level "1"	> 2.6 VDC
TTL/24V Encoder Input	Logic level "0"	< 2.4 VDC
	Logic level "1"	> 2.6 VDC
Switched Contact Input	V <sub>C</sub>	5V (internal)
	R <sub>C</sub>	3.9kΩ
	Cutoff frequency (Fc)	20Hz
Accuracy at 23°C ±5°C	Maximum error	± (0.01% of reading +1digit)
	Temperature coefficient	50ppm / °C
	Warm-up time	5 minutes
Power Supply and Fuses	DPM1-P-H	85-265VAC 50/60Hz or 100-300VDC (Recommended fusing, 0.1A/250V, 5mm x 20mm glass miniature o DIN 41661 equivalent)
	DPM1-P-L	21-53VAC 50/60Hz or 10.5-70VDC (Recommended fusing, 0.5A/250V, 5mm x 20mm glass miniature o DIN 41661 equivalent)
Power Consumption	2.2W	
Stabilized Excitations	5V@60mA, 8V@60mA and 12V@60mA (Menu selectable)	
Display	Range	0 to 9999
	Туре	4-digit 10mm (0.4"), red
	Display refresh rate	10 times per second
	Display / input overrange indication	"OuE"
Environmental Conditions	Operating temperature	-10°C to +60°C (14°F to 140°F)
	Storage temperature	-25°C to +85°C (-13°F to 185°F)
	Relative humidity (non-condensing)	<95% @ 40°C (104°F)
	Maximum altitude	2000m
	Frontal protection degree	IP65
Environmental Air	No corrosive gases permitted	
Anency Annrovals	CF	

## Model DPM1-P-H Example Application:

Frequency display of 120VAC line voltage





Notes



Wiring

10-600 V AC input