

Model Number
487B05

TRUE RMS VIBRATION METER

Revision: A
ECN #: 5002

ELECTRICAL

Ranges		g's rms	1, 4, 10, 40	
Accelerometer Inputs (rear panel selectable)		mV/g	10, 100	
Resolution		g's rms	0.025	
DC Output (FS) (10 or 100 mV/g)		VDC	1 (±0.03)	
Frequency Response:	Low Frequency (-5%)	Hz	2 (-1.0, ±0.0)	
	High Frequency (-5%)	Hz	10,000 (±500)	
Accuracy		±%	3	
Sensor Excitation (constant current)		V/mA	24 ± 0.1/4 ± 0.6	
Coupling Capacitor (scope output)		µF	22	
DC Offset (scope output)		mV	±30 Maximum	[3]
Frequency Response (scope out):	Low Frequency (-5%)	Hz	0.02 [±0,002]	[3] [1]
Power Required (50 to 60 Hz)		V/A	105 to 125/0.25	[2]

PHYSICAL

Connectors:			
	Input	jack	BNC
	Output -Scope (front panel)	jack	BNC
	DC (rear panel)	jack	BNC

ENVIRONMENTAL

Size: h x w x d		in	5.0 x 6.2 x 8.3
		mm	127 x 157.5 x 210.8
Weight		lb [kg]	2.5 [1,13]

NOTES:

- [1] Overall frequency response will depend on the particular accelerometer selected.
- [2] Order as "F"487B05 for 230 VAC power (internally selectable).
- [3] With 1 megohm load.

SUPPLIED ACCESSORIES:

Model 017 AC Line Cord

In the interest of constant product improvement, we reserve the right to change specifications without notice.

ICP® is a registered trademark of PCB Piezotronics, Inc.



Drawn			Spec No.
Engineer			487-2050-80
Sales			
Approved			Sheet 1 of 1