

ENTRON® High Resolution Heavy Duty Vibration Meter & IR Thermometer



Model EN-307VT Measures Acceleration, Velocity, Displacement, and Non-Contact Infrared Temperature.

Features:

- High Resolution. ACC: 0.01m/s^2 , 0.001g , 0.01ft/s^2 ,
VEL: 0.01mm/s , 0.001cm/s , 0.0001inch/s , DISP: $0.01\text{ }\mu\text{m}$
- Measures vibration in: ACC (acceleration), VEL (velocity) and
DISP (displacement). Stores 100 data points in memory.
- Measures in multiple units: **Acceleration** in g's , m/s^2 , ft/s^2 .
Velocity in mm/s , in/s , cm/s ., **Displacement** in μm .
- Measures Non-Contact Infrared Temperatures in $^{\circ}\text{C}/^{\circ}\text{F}$. (EN-307-VT)
- Laser pointer for making IR measurement
- ISO 10816-1 severity chart on front panel for easy
pass/fail test of machinery.
- Stores 100 records manually (EN-307-VT)
- Can read recorded data directly from LCD display.
- Auto shut off saves battery life.
- Functions: RMS, PEAK, MAX, HOLD, MAX HOLD
- Max Hold feature. Displays maximum value measured
– and freeze display-, and only increase if measured value
is further increased.



What's in the Box:

- ✓ EN-307 meter,
- ✓ NIST Traceable Calibration Certificate.
- ✓ Padded Carrying case, AA x 2 Battery, Stinger Probe.
- ✓ Accelerometer on 1.2 meter cable, Al-Ni-Co Magnetic base.
- ✓ User manuals in both languages Thai and English.



Specifications:

Parameter	Measuring Range/Resolution	Frequency Range	Accuracy
Acceleration	0 ~ 20 G's/ 0.001 G's (RMS or pk)	10 Hz ~ 20 kHz	$\pm (3\% + 0.2)$
Velocity	0 ~ 200 mm/s/0.01 mm/s (RMS or pk)	5 Hz ~ 1 kHz	$\pm (3\% + 0.2)$
Displacement	0 ~ 200 μm ./0.01 μm (pk -pk)	20 Hz ~ 1 kHz	$\pm (3\% + 0.2)$
Infrared Temperature	$0^{\circ}\text{C} \sim 300^{\circ}\text{C}$, or ($32^{\circ}\text{F} \sim 572^{\circ}\text{F}$)	Emissivity 0.95	D:S Ratio 8:1
Modes of measure	RMS, Peak, Hold, Max Hold, Max.	Laser pointer for IR measurement	
Data Storage	100 readings manually.		
Power Supply	AA x 2	Operating Environment:	-10°C to 50°C .,
Physical	Dimensions: 152 x 83 x 32 mm.	Weight: 1.2 kg	

AMET Co., Ltd. (South East Asia.)

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- Price and ordering information on next sheet.

EN-307-VT (Vibration & IR Temperature).....Vibration meter & Infrared Thermometer, Remote Sensor, Magnetic Mount, Stinger Probe, AA batteries x 2, and soft carrying case.

- PRICE:..... USD \$ 650.00

- Warranty Information: The vibration meter is unconditionally warranted for normal use for period of 5 year from date of purchase.



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