

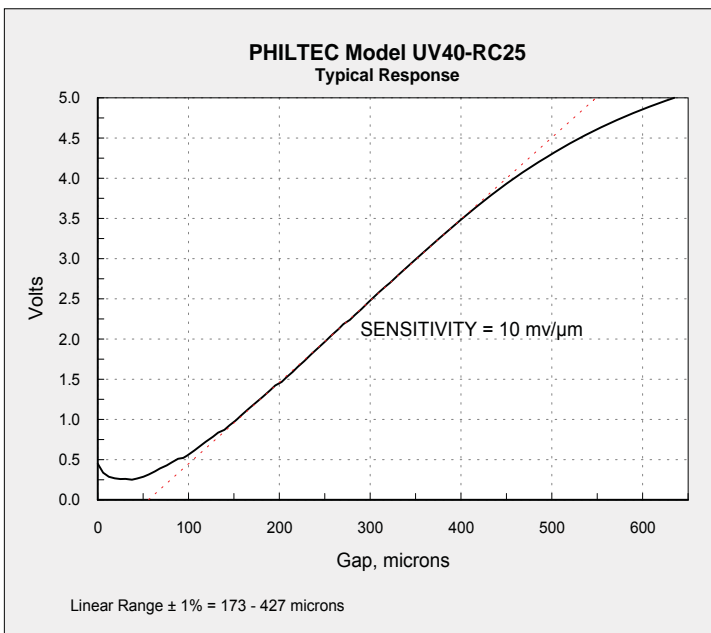
# Ultrasonic Vibration Meter Model UV40-RC25



Measures and Displays The Peak-to-Peak Amplitude of Vibration  
at Ultrasonic Frequencies

## Features

- Non-contact EMI Free Transducer
- Reflectance Compensated Fiberoptics\*
- 0.64 x 3.2 mm Target Spot Size (0.025 x 0.125 inch)
- 650  $\mu\text{m}$  Operating Range (0.025 inch)
- Dual Display Ranges: 10 and 100 Microns Full Scale
- 1 Micron Display Resolution
- Analog Output, 0 - 5 VDC, 0.25 Micron Resolution
- Bandwidth 10 KHz - 120 KHz



## Tip & Cable Dimensions



FEATURE	mm	inch
Tip Outer Diameter, $\varnothing$ B	7.137	0.281
Fiber optic Area	0.64 x 3.175	.025 x .125
Tip Length, B	38.1	1.5
Cable Length, A	91	36
Cable Diameter, $\varnothing$ A	5.2	0.205
Cable Min. Bend Radius	12.7	0.5

\*These are reflective type transducers based upon detecting the intensity of reflected light. RC Model sensors have a pair of adjacent fiberoptic detectors in the sensor tip. Light reflected off the target follows two separate paths back to the electronics where a ratiometric calculation provides the distance measurement which is independent of varying surface reflectance; i.e., *reflectance compensated*.

# PHILTEC

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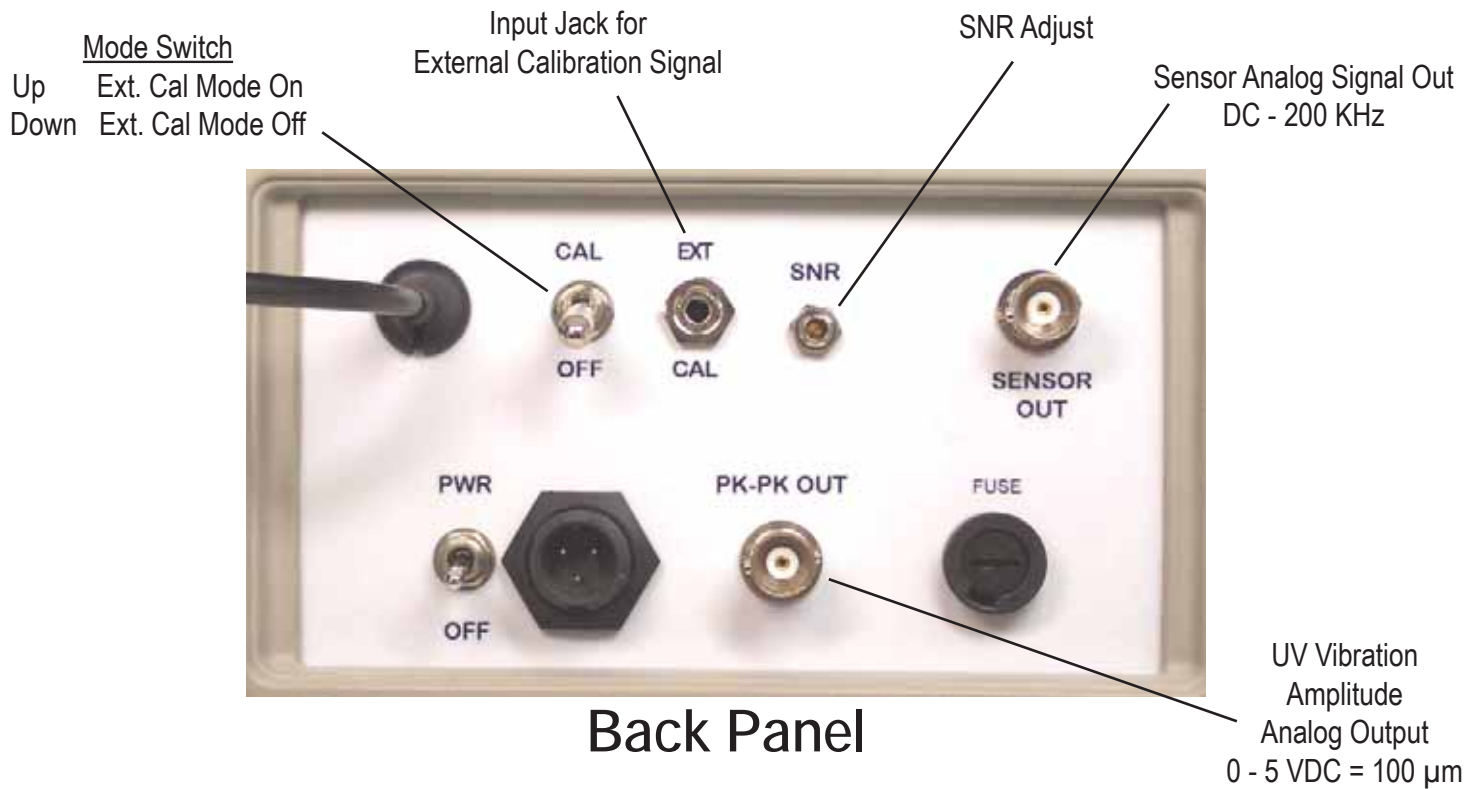
Precision Dynamic Measurements



**Front Panel**

\*Output Selector Switch

- Top    Sensor DC Volts, 0 - 5 VDC
- Middle    Sensor SNR Volts, 0 - 5 VDC
- Bottom    UV Vibration Amplitude, Microns Pk-Pk



**Back Panel**