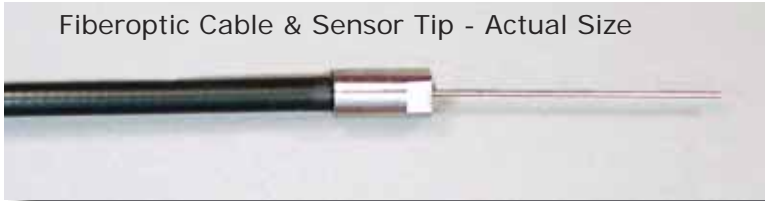


# Ultrasonic Vibration Meter Model UV40-RC20

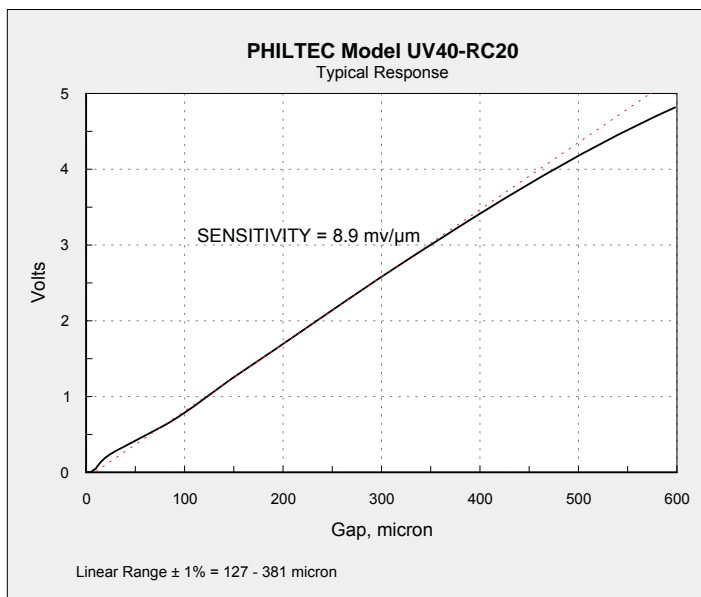
Fiberoptic Cable &amp; Sensor Tip - Actual Size



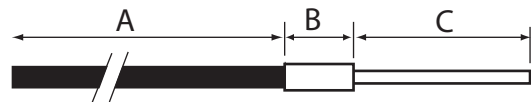
Measures and Displays The Peak-to-Peak Amplitude of Vibration  
at Ultrasonic Frequencies

## Features

- Non-contact EMI Free Transducer
- Reflectance Compensated Fiberoptics\*
- Ø 0.5 mm Target Spot Size (0.020 inch)
- 1.3 mm Operating Range (0.050 inch)
- Dual Range 100 and 200 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, Ø C | 0.81 | 0.032 |
| Fiberoptic Diameter     | 0.51 | 0.020 |
| Tip Length, C           | 38.1 | 1.5   |
| Collar Length, B        | 12.7 | 0.5   |
| Collar Diameter, Ø B    | 6.35 | 0.25  |
| Cable Length, A         | 91   | 36    |
| Cable Diameter, Ø 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

www.philtec.com

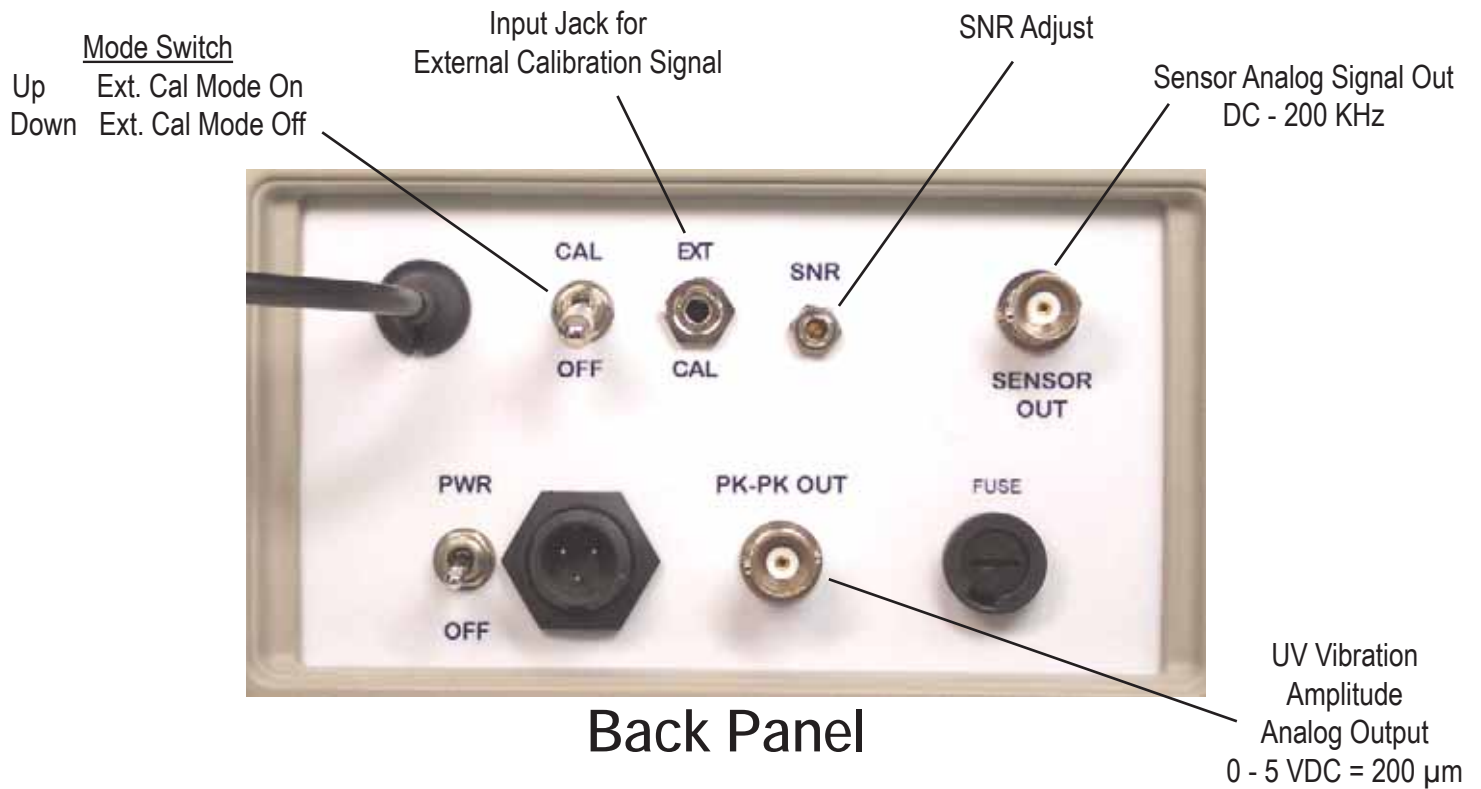
Precision Dynamic Measurements



## 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