

Bently Nevada 21505-00-60-10-02

Model: Probe Proximity Vibration
Manufacturer: Bently Nevada
Condition: New & Original in Factory Packing
Factory Warranty: 12 Months

Ordering Information

Model 21505 7200 Proximity Transducer Systems
Unthreaded Length Option 00 0 mm
Overall Case Length Option 60 6.0in
Total Length Option 10 1.0 metre (39 inches) Tolerance: +.25 metre,-.10 metre(+ 10 inches,-4 inches).
Connector Option 02 With miniature male coaxial connector

TIP CONSTRUCTION

PART NO 21505-
DIAMETER 8 mm
CASE Standard
CONFIGURATIONTYPE THREADS 3/8-24

LEAD ARMOR Yes (stainless steel)

INPUT

Power: -17.5 Vdc to -26 Vdc at 12 mAmaximum consumption.

OUTPUT

Calibrated Range: 80 mils (2.0 mm).Begins at approximately 10 mils(0.25 mm) from probe face.
Scale Factor: 200 mV/mil (7.87 V/mm), $\pm 4\%$ (measured in increments of10 mils over the calibrated range) ifcalibrated as a system, Within $\pm 9.5\%$ including interchangeability errors.Linearity: Within 0,8 mils (0.02 mm) of a200 mV/mil straight line if calibrated asa system. Within 2.3 mils (0.06 mm) ofa 200 mV/mil straight line includinginterchangeability errors.Frequency Response: 0 to 10 kHz(0 to 600,000 cpm); -5% at 10 kHz(600,000 cpm).
Temperature Sensitivity: Typically-396change in scale factor at + 150 ° F(+ 65 ° C) at 50 mils gap (1.27 mm).

ENVIRONMENTAL LIMITS

Operating Temperature:

Proximator:-60 ° F to +212 ° F(-51 ° Cto +1009C).

Probe and Extension Cable: -30 ° F to0+350 ° F(-34 ° Cto +177 ° C)Relative Humidity: To 95%,noncondensing.

Corrosion Resistance (for 8 mm probesonly): Probe operation is not affectedby direct contact to

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the following: air,water, lube oil, ammonium hydroxide,sulfuric acid (10%),
MEK(methyl-ethylkeytone)or DMF (Dimethylfor-mamide).
System Weight: 1.3 lbs.(0.59 kg)



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