Bently Nevada 21504&21505&21508&21747 Series Service Manual

21747-040-01

1. Description

Part Number: 21747-040-01

3. Product Information

Part Number: 21747-040-01

Model: Extension Cable

Manufacturer: Bently Nevada

Condition: New & Original in Factory Packing

Factory Warranty: 12 Months

Ordering Information

Model: 21747 - Extension Cable

Cable Length Option: 040 - 4 metres (157 inches)

Armor Option: 01 - With armor

The combination of probe with
integral lead and extension cable is
designed to achieve a system length of
either five or nine metres from probe tip
to Proximitor. Probes are available with
integral leads of various lengths to
match the average extension cable
lengths. Probes and cables of the same
lcngth,and Proximitors with the same
part number, are completely
interchangeable.
For added protection, stainless steel
armor is available. It provides improved
resistance to physical abuse.

INPUT

Power: -17.5 Vde 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),±4%(measured in increments of10 mils over the calibrated range) ifcalibrated as a system, Within ±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:

Proximitor:-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 the following: air,water, lube oil, ammonium hydroxide,sulfuric acid (10%), MEK(methyl-ethylkeytone)or DMF (Dimethylfor-mamide).