Bently Nevada 330302-000-011-50-90-00-00 Manual

Brand	Bently Nevada
Product Series	Sheet32
Product Type	3300 High Temperature Probe

Description

Manufacturer : Bently Nevada

Product No. : 330302-000-011-50-90-00-00
Product type : 3300 High Temperature Probe

Made in U.S.A

Unthreaded Length Option: 000 = 0mm

Overall Case Length Option: 011= 11mm

Hardline Length Option : 50 = 5.0 metres (16.4 feet)

Total Length Option: Note: Extension cable is included with the proximity probe. : 90 = 9.0 metres (30 feet)

Extension Cable Armor Option: 00 = Without stainless steel armor

Agency Approval Option : 00 = Not required

Probe dc Resistance
Probe Length (m) 5.0
Resistance from the Center Conductor to the Outer Conductor (RpROBE) (°hms) 8.11

Incremental Scale
Factor (ISF)
3.94 V/mm (100
mV/mil) ±9.65%
including
interchangeability
error when measured
in increments of 0.5
mm (20 mils) over the
4.0 mm (160 mil) linear
range.
Deviation from best fit
straight line (DSL)
Less than ±78 |xm
(±3.1 mils).

System performance over extended temperatures
Over a probe temperature range of 22oCto+350°C (72oFto+662oF) the ISF remains within ±30% of 3.94 V/mm (100 mV/mil), the DSL remains within ±0.51 mm (±20 mils).
Frequency Response
0 to 6 kHz: +0, -3 dB typical, with up to 305 metres (1000 feet) of field wiring.
Recommended Minimum Target Size
30.5 mm (1.2 in) diameter (flat target)
Recommended Minimum Shaft Diameter
152 mm (6.0 in)

Probe Tip Material Ceramic
Probe Case Material AISI 316L stainless steel (SST).

Probe
117 g/m (1.26 oz/ft) of hardline cable + 12 g/cm (1.07 oz/in) of case

Operating and Storage Temperature
-34°C to+350°C (-30°F to +662°F)