Bently Nevada 330303-060-20-90-00-00 Manual

Brand	Bently Nevada
Product Series	Sheet32
Product Type	3300 XL High Temperature Probe, Smooth Case

Description

Manufacturer : Bently Nevada

Product No. :330303-060-20-90-00-00

Product type : 3300 XL High Temperature Probe, Smooth Case

Made in U.S.A

Overall Case Length: 060 =6.0 in

Hardline Length Option : 20=2.0 metres (6.6 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) 2.0
Resistance from the Center Conductor to the Outer Conductor (RpROBE) (°hms) 5.82

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)