

Bently Nevada Service Manual

330301-000-011-20-90-01-00

1. Description

Manufacturer : Bently Nevada

3. Product Information

Manufacturer : Bently Nevada
 Product No. : 330301-000-011-20-90-01-00
 Product type : 3300 XL High Temperature Probe, 3/4-16 UNF threads
 Made in U.S.A
 Unthreaded Length Option: 000 = 0 in
 Overall Case Length Option: 011 = 1.1 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: 0 1 =With stainless steel armor
 Agency Approval Option : 0 0= 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)

