Bently Nevada 330730&330930 Series Service Manual

330930-060-10-00

1. Description

Manufacturer : Bently Nevada

3. Product Information

Manufacturer : Bently Nevada

Product No. :330930-060-10-00

Product type : 3300 NSv Extension Cable

Made in U.S.A

Cable Length Option : 060 = 6.0 meters (19.7 feet)

Connector and Cable Option : 10= FluidLoc cable with stainless steel armor, with FEP jacket, with connector protector

Agency Approval Option : 00 = Not Required

Extension Cable Material : 75 Ω coaxial, fluoroethylene propylene (FEP) insulated.

Operating and Storage Temperature: -51°C to +177°C (-60°F to +351°F)

Shipping weight : 1.5 Kg

Make sure that the extension cable
length and the probe length, when
added together, equal the
Proximitor Sensor total length.

Extension cable
dc resistance
Center conductor: 0.220
Ω/m (0.067 Ω/ft)
Shield: 0.066 Ω/m (0.020
Ω/ft)

Extension cable
capacitance
69.9 pF/m (21.3 pF/ft)
typical

Field Wiring
0.2 to 1.5 mm2 (16 to 24
AWG)[0.25 to 0.75 mm2 (18
to 23 AWG) with ferrules].
Recommend using threeconductor shielded triad
cable. Maximum length of
305 meters (1,000 feet)
between the 3300 XL NSv
Proximitor Sensor and the
monitor. See the frequency
response graphs Figure 16
and Figure 17 for signal
rolloff at high frequencies
when using longer field
wiring lengths.

Linear Range
1.5 mm (60 mils). Linear
range begins at
approximately 0.25 mm (10
mils) from target and is
from 0.25 to 1.75 mm (10 to
70 mils) (approximately -1
to -13 Vdc).

Recommended
Gap Setting 1.0 mm (40 mils)

Extension
Cable Material
75 Ω coaxial, fluoroethylene
propylene (FEP) insulated.

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75 Ω coaxial, fluoroethylene
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Proximitor
Sensor Material A380 aluminum

System Length 5 or 7 meters including extension cable

Extension Cable Armor (optional)

Flexible AISI 302 SST with/without FEP outer jacket.

Tensile Strength (maximum rated)

220 N (50 lb) probe case to probe lead. 220 N (50 lb) at probe lead to extension cable connectors. 220 N (50 lb) probe case to stainless steel armor.

Connector material Gold-plated brass

Extension Cable Armor (optional)

Flexible AISI 302 SST with/without FEP outer jacket.

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220 N (50 lb) probe case to probe lead. 220 N (50 lb) at probe lead to extension cable connectors. 220 N (50 lb) probe case to stainless steel armor.

Connector material Gold-plated brass

Operating and Storage Temperature

-52°C to +177°C (-62°F to +351°F)

Temperature Schedule

Ambient Temperature (Probe Only)

For EPL Ga and Gc

Temperature Classification T1 Ambient Temperature -55°C to +232°C

Temperature Classification T2 Ambient Temperature -55°C to +177°C

Temperature Classification T3 Ambient Temperature -55°C to +120°C

Temperature Classification T4 Ambient Temperature -55°C to +80°C

Temperature Classification T5 Ambient Temperature -55°C to +40°C

For EPL Dc

Temperature Classification T280°C @ Ta Ambient Temperature -55°C to +232°C

Temperature Classification T225°C @ Ta Ambient Temperature -55°C to +177°C

Temperature Classification T170°C @ Ta Ambient Temperature -55C to +120°C

Temperature Classification T130°C @ Ta Ambient Temperature -55°C to +80°C

Temperature Classification T105°C @ Ta Ambient Temperature -55°C to +100°C

Temperature Classification T90°C @ Ta Ambient Temperature -55°C to +40°C