

Bently Nevada 330906&330907 Series Service Manual

330907-05-30-50-02-00

1. Description

"Manufacturer : Bently Nevada

3. Product Information

"Manufacturer : Bently Nevada

Product No. :330907-05-30-50-02-00

Product type : 3300 NSv Reverse Mount Probe

Made in U.S.A

Ordering information:

330907-05-30: M10X1 threads

Total Length Option : 50 5.0 meters (16.4 feet)

Connector Option :02 Miniature coaxial ClickLoc
connector, standard cable

Agency Approval Option : 00 Not required

The NSv probe has increased chemical resistance compared to the 3300 RAM probe, which allows its use in many process compressor applications. The side-view characteristics of the 3300 NSv probe are also superior to those of the 3000-series 190 probe when gapping the 3300 NSv probe at the same distance from the probe target.

The 3300 NSv probe comes in varying probe case configurations, including armored and unarmored 1/4-28, 3/8-24, M8X1 and M10X1 probe threads. The reverse mount 3300 NSv probe comes standard with either 3/8-24 or M10X1 threads. All components of the transducer system have gold-plated brass ClickLoc connectors. ClickLoc connectors lock into place and prevent the connection from loosening. The patented TipLoc molding method provides a robust bond between the probe tip and the probe body.

Probe dc Resistance

Probe Length (m) 5.0

Resistance from the Center

Conductor to the Outer

Conductor (RPROBE)

(ohms) 5.3 ± 0.7

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 Proximito 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).

