

Bently Nevada 330980-50-05 Manual

Brand	Bently Nevada
Product Series	330180&330780&330980
Product Type	NSv Proximitor Sensor

Description

Part Number:330980-50-05

Model: NSv Proximitor Sensor

Manufacturer: Bently Nevada

Model and Suffix Codes

Model: 330980 - NSv Proximitor Sensor

Total Length and Mounting Option: 50 - 5.0 metre (16.4 feet) system length, panel mount

Agency Approval Option: 05 = Multiple approvals

The 3300 XL NSv Proximitor Sensor has similar features to those found in the 3300 XL 8 mm Proximitor Sensor. Its thin design allows the user to mount it in either a high-density DIN-rail installation or a more traditional panel mount configuration. Improved RFI/EMI immunity allows the 3300 XL NSv Proximitor Sensor to achieve European CE mark approvals without any special mounting considerations. This RFI immunity also prevents nearby high frequency radio signals from adversely affecting the transducer system. SpringLoc terminal strips on the Proximitor Sensor require no special installation tools and facilitate faster, highly robust field wiring connections.

Proximitor Sensor Material A380 aluminum

Proximitor

Sensor 255 g (9 oz)

Proximitor

Sensor Input

Accepts one noncontacting 3300 RAM or 3300 NSv Proximity Probe and Extension Cable.

Power

Requires -17.5 Vdc to -26 Vdc without barriers at 12

mA maximum

consumption, -23 Vdc to

-26 Vdc with barriers.

Operation at a more

positive voltage than -23.5

Vdc can result in reduced

linear range.

Supply

Sensitivity

Less than 2 mV change in

output voltage per volt

change in input voltage.

Output

resistance 50 Ω

Unless otherwise noted, the following

specifications are for a 3300 XL NSv Proximity

Sensor, extension cable and probe between

0°C and +45°C (+32°F to +113°F) at a maximum

altitude of 2000 m, with a -24 Vdc power

supply, a 10 k Ω load, a Bently Nevada supplied

AISI 4140 steel target that is 31 mm (1.2 in)

diameter or larger, and a probe gap of 1.0 mm

(40 mils). The system accuracy and

interchangeability specifications do not apply

when using a transducer system calibrated to

any target other than a Bently Nevada AISI 4140

steel target.

Operating

Temperature

-52°C to +100°C (-62°F to

+212°F)

Storage

Temperature

-52°C to +105°C (-62°F to

+221°F)

Relative

Humidity

100% condensing, nonsubmersible when

connectors are

protected. Tested to IEC 68-2-

3 damp heat.

