# Bently Nevada 330180&330780&330980 Series Service Manual

330780-90-05

## 1. Description

Manufacturer : Bently Nevada

## 3. Product Information

Manufacturer : Bently Nevada

Product No. : 330780-90-05

Product type : 3300 XL 11 mm Proximitor Sensor

Total length and mounting option : 90 9.0 meters (29.5 feet) system length, panel mount

Agency approval option :05 Multiple approvals

Dimensions (HxWxD), approx. : 6.35cm x 6.12cm x 8.13cm

The 3300 XL 11 mm Proximitor Sensor has the same advanced features found in the 3300 XL 8 mm Proximitor Sensor. Its thin design allows it to be mounted in either a high-density DIN-rail installation or a more traditional panel mount configuration. Improved RFI/EMI immunity allows the 3300 XL Proximitor Sensor to achieve European CE mark approvals without any special mounting considerations. This RFI immunity also prevents the transducer system from being adversely affected by nearby high frequency radio signals. SpringLoc terminal strips on the Proximitor Sensor require no special installation tools and facilitate faster, highly robust field wiring connections.

Proximitor Sensors are supplied by default from the factory calibrated to AISI 4140 steel. Calibration to other target materials is available upon request.

Electrical

Proximitor Sensor

Input

Accepts one non-contacting 3300 XL 11 mm 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

Proximitor

Sensor Material A380 aluminum

System Length 5 or 9 meters including extension cable

Proximitor Sensor Temperature Range

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.