3300 XL NSV PROXIMITOR

Product Data Sheet

330980-70-05

Panel-mounted NSv proximity converter

ELECTRICAL CHAIN LENGTH	MOUNTING OPTION	APPROVAL SELECTION	PROBE INTERFACE
7.0 m	**Panel mount**	**05: multiple approvals**	**One 3300 RAM or NSv probe and extension**

Bently Nevada 330980-70-05 is a panel-mounted 3300 XL NSv Proximitor sensor calibrated for a 7 m probe-and-extension chain. It supplies and conditions a compatible noncontact proximity probe, producing a voltage proportional to the probe-to-target spacing.

01 TECHNICAL DATA

Electrical chain length	7.0 m
Mounting option	Panel mount
Approval selection	05: multiple approvals
Probe interface	One 3300 RAM or NSv probe and extension
Supply without barriers	-17.5 to -26 V DC
Supply with barriers	-23 to -26 V DC
Maximum consumption	12 mA
Supply sensitivity	Less than 2 mV/V
Output resistance	50 ohm
Linear span	1.5 mm

02 ADDITIONAL PRODUCT DATA

Nominal sensitivity	7.87 V/mm; 200 mV/mil
Recommended gap	1.0 mm
Typical frequency response	0-10 kHz; +0/-3 dB
Maximum field cable	305 m
Field conductor range	0.2-1.5 mm2

03 PRODUCT FUNCTION

The converter requires -17.5 to -26 V DC without barriers and draws no more than 12 mA. The documented NSv chain has a 1.5 mm linear span, nominal 7.87 V/mm sensitivity and a recommended 1.0 mm gap. Option 70 selects the 7 m panel-mount execution and option 05 selects multiple approvals.

04 SYSTEM COMPATIBILITY

Connect the negative DC supply, common and signal using the specified shielded triad wiring. Keep the supply within -17.5 to -26 V DC without barriers or -23 to -26 V DC with barriers, and account for the 12 mA maximum sensor consumption.

05 REFERENCE

Bently Nevada 3300 XL NSv Proximity System, 147385 Rev. R.

AMIKON PRODUCT SUPPORT

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