

3300 SYSTEM

Product Data Sheet

109549-01

3300 XI Nsv Photoelectric Probe

FUNCTION	FAMILY	ORIGIN	WEIGHT
3300 XI Nsv Photoelectric Probe	3300 System	USA	0.38 kg

3300 System 109549-01 is a 3300 XI Nsv Photoelectric Probe for the 3300 System. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Sensitivity	200 mV/mil (7.87 mV/μm) ± 10% (standard)
Frequency Response	0.5 Hz to 12 kHz (± 3 dB)
Operating Temperature	Standard: -35°C to +125°C (Probe Tip)
Extended Temp. Options	Up to 150°C or 175°C available
Humidity	100% RH non-condensing
Exact Part Number	109549-01
Product Family	3300 System
Component Type	3300 XI Nsv Photoelectric Probe
Measurement Principle	Eddy-current proximity sensing
Nominal Probe Tip	8 mm sensor family

ADDITIONAL PRODUCT DATA

Power Supply	-17.5 to -26 V DC
Scale Factor	7.87 V/mm nominal
Linear Range	0.25 to 2.30 mm
Target Material	AISI 4140 steel
Cable Impedance	75 ohm triaxial

OFFICIAL APPLICATIONS

- Apply the documented 3300 XI Nsv Photoelectric Probe: Use 109549-01 in the documented 3300 System measurement or protection channel. Match the exact order code, installed position, signal range and monitored machine function before work.
- Restore the recorded 3300 XI Nsv Photoelectric Probe connections: Photograph terminals, coaxial connectors, shields, earth points, rack slot and adjacent hardware before removing 109549-01. Restore each connection to the controlled drawing.
- Validate the complete 3300 XI Nsv Photoelectric Probe signal path: After installing 109549-01, check transducer supply, gap or zero, signal response, alarms and rack diagnostics. Record the measured values before releasing the machine channel.

SYSTEM COMPATIBILITY

Match 109549-01 to the installed 3300 System, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Bently Nevada 109549-01 manufacturer documentation](#)

Local manufacturer PDF supplied by user

AMIKON PRODUCT SUPPORT

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