

3300 SYSTEM

Product Data Sheet

102044-00-18-10-02

proximity sensor probe

FUNCTION proximity sensor probe	FAMILY 3300 System	ORIGIN USA	WEIGHT 0.06 kg
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3300 System 102044-00-18-10-02 is a proximity sensor probe for the 3300 System. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Sensitivity	200 mV/mil (7.87 V/mm) $\pm$ 5%
Linear Range	2 mm (80 mils)
Frequency Response	0 to 10 kHz (-3 dB)
Recommended Gap	1.27 mm (50 mils)
Exact Part Number	102044-00-18-10-02
Product Family	3300 System
Component Type	Proximity Sensor Probe
Measurement Principle	Eddy-current proximity sensing
Nominal Probe Tip	8 mm sensor family
Power Supply	-17.5 to -26 V DC

ADDITIONAL PRODUCT DATA

Scale Factor	7.87 V/mm nominal
Target Material	AISI 4140 steel
Cable Impedance	75 ohm triaxial
Output Resistance	50 ohm nominal
System Components	Probe, cable and Proximator

OFFICIAL APPLICATIONS

- Apply the documented proximity sensor probe: Use 102044-00-18-10-02 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 proximity sensor probe connections: Photograph terminals, coaxial connectors, shields, earth points, rack slot and adjacent hardware before removing 102044-00-18-10-02. Restore each connection to the controlled drawing.
- Validate the complete proximity sensor probe signal path: After installing 102044-00-18-10-02, check transducer supply, gap or zero, signal response, alarms and rack diagnostics. Record the measured values before releasing the machine channel.

SYSTEM COMPATIBILITY

Match 102044-00-18-10-02 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 102044-00-18-10-02 manufacturer documentation](#)

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