

INDUSTRIAL AUTOMATION PRODUCT

10030-05-30-05-02

7200-Compatible Proximity Probe

METRIX 10030-05-30-05-02 is a 10000-series proximity probe for a documented 7200-compatible transducer loop. It provides the field sensing element for shaft position or vibration measurement with matched system electronics.

IDENTITY	VERIFIED VALUE
Manufacturer	METRIX
System family	METRIX 10000-series 7200-compatible proximity system
Part number	10030-05-30-05-02
Product role	Senses shaft movement without mechanical contact
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

Install 10030-05-30-05-02 only in the documented METRIX 10000-series 7200-compatible proximity system arrangement and record the exact connection and configuration before removal. Restore the approved settings, then verify diagnostics and functional response before release.

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Technical Specifications

Technical values below are limited to the named METRIX product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Country of origin	USA	Measurement principle	Eddy-current proximity
HS code	8537101190	System lengths	5 m or 9 m
Product family	10000 series	Installation role	Probe sensing element
Compatibility class	7200-compatible		

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	METRIX 10000-series 7200-compatible proximity system
Primary system role	Senses shaft movement without mechanical contact
Connection boundary	Install 10030-05-30-05-02 only in the documented METRIX 10000-series 7200-compatible proximity system arrangement and record the exact connection and configuration before removal. Restore the approved settings, then verify diagnostics and functional response before release.
Controlled acceptance duty	Radial shaft-vibration monitoring

ENGINEERING BOUNDARY

Confirm the complete 10030-05-30-05-02 marking, installed host, hardware execution, terminals or connectors, wiring, grounding, configuration, accessories and controlled commissioning results.

Pre-Installation Checks

1	Confirm the full 10030-05-30-05-02 marking and installed mounting execution.	2	Place the monitored machine and protection channel in maintenance state.
3	Record probe position, lead route, extension cable and signal conditioner.	4	Protect the probe tip, thread and connector from impact or contamination.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	10030-05-30-05-02
Installed host	METRIX 10000-series 7200-compatible proximity system
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

METRIX 10030-05-30-05-02 is a 10000-series proximity probe for a documented 7200-compatible transducer loop. It provides the field sensing element for shaft position or vibration measurement with matched system electronics.

FUNCTION 1
Senses shaft movement without mechanical contact

FUNCTION 2
Supports the documented 7200-compatible transducer architecture

FUNCTION 3
Forms one calibrated element of the matched loop

FUNCTION 4
Maintains exact probe identity during monitored-machine service

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	METRIX 10000-series 7200-compatible proximity system
2	8537101190
3	Radial shaft-vibration monitoring
4	Install 10030-05-30-05-02 only in the documented METRIX 10000-series 7200-compatible proximity system arrangement and record the exact connection and configuration before removal. Restore the approved settings, then verify diagnostics and functional response before release.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	METRIX 10000-series 7200-compatible proximity system
Interface role	Senses shaft movement without mechanical contact
Field / power context	Use 10030-05-30-05-02 only with its documented host, interfaces and accessories; record the as-found arrangement and complete a controlled functional verification after installation.
Commissioning evidence	Prove polarity, position, vibration response and alarm action before release.

Installation and Connection Checks

1Keep the cable within the documented bend and tensile limits.

2Verify the complete installed loop uses the approved 7200-compatible components.

3Set static gap in the documented linear region after mechanical installation.

4Prove polarity, position, vibration response and alarm action before release.

MANUFACTURER SOURCE RECORD

10000 Series 7200-Compatible Proximity Probe Datasheet
METRIX document 1009553

Applications and Engineering Context

Radial shaft-vibration monitoring

Measures shaft motion relative to the bearing housing.

Axial position measurement

Provides the sensing point for a documented thrust-position channel.

Shaft centerline observation

Supplies static and slow-roll position information to the monitor.

7200-compatible loop maintenance

Restores the probe while retaining the complete matched system length.

TECHNICAL NOTE

Install 10030-05-30-05-02 only in the documented METRIX 10000-series 7200-compatible proximity system arrangement and record the exact connection and configuration before removal. Restore the approved settings, then verify diagnostics and functional response before release.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	10030-05-30-05-02 recorded
Host / carrier	METRIX 10000-series 7200-compatible proximity system
Physical interface	Senses shaft movement without mechanical contact
Configuration	Set static gap in the documented linear region after mechanical installation.
Functional proof	Prove polarity, position, vibration response and alarm action before release.

IMPORTANT NOTICE

Confirm the complete 10030-05-30-05-02 marking, installed host, hardware execution, terminals or connectors, wiring, grounding, configuration, accessories and controlled commissioning results.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	10030-05-30-05-02
Approved role	Radial shaft-vibration monitoring
Final validation	Prove polarity, position, vibration response and alarm action before release.

Engineering Precautions

- 1

Confirm the full 10030-05-30-05-02 marking and installed mounting execution.
- 2

Place the monitored machine and protection channel in maintenance state.
- 3

Record probe position, lead route, extension cable and signal conditioner.
- 4

Protect the probe tip, thread and connector from impact or contamination.
- 5

Keep the cable within the documented bend and tensile limits.
- 6

Verify the complete installed loop uses the approved 7200-compatible components.
- 7

Set static gap in the documented linear region after mechanical installation.
- 8

Prove polarity, position, vibration response and alarm action before release.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
10026	high-pressure proximity probe	View 10026 page
10030	7200-compatible proximity probe	View 10030 page

MANUFACTURER SOURCE RECORD

10000 Series 7200-Compatible Proximity Probe Datasheet
METRIX document 1009553

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