

INDUSTRIAL AUTOMATION PRODUCT

10026-02-12-05-02

High-Pressure Reverse-Mount Proximity Probe

METRIX 10026-02-12-05-02 is a high-pressure reverse-mount proximity probe from the 10026 product family. It provides an 8 mm eddy-current sensing interface for installations using the matching high-pressure probe mount and transducer system.

IDENTITY	VERIFIED VALUE
Manufacturer	METRIX
System family	METRIX 10026 high-pressure proximity probe system
Part number	10026-02-12-05-02
Product role	Uses a reverse-mount construction for the sealed probe assembly
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 10026-02-12-05-02 only in the documented METRIX 10026 high-pressure proximity probe 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	Tip material	Ryton
HS code	8537101190	Cable impedance	95 ohm
Product family	10026	Connector	Gold-plated brass
Probe style	Reverse mount	Minimum bend radius	25 mm
Tip diameter	8 mm	Probe and cable temperature	-40 to +177 deg C
Probe thread	3/8-24 UNF	Target material	4140 steel
Pressure rating	1000 psig (6.89 MPa)	Relative humidity	100 percent condensing; not submersible

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	METRIX 10026 high-pressure proximity probe system
Primary system role	Uses a reverse-mount construction for the sealed probe assembly
Connection boundary	Install 10026-02-12-05-02 only in the documented METRIX 10026 high-pressure proximity probe 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	High-pressure compressor monitoring

ENGINEERING BOUNDARY

Confirm the complete 10026-02-12-05-02 marking, installed host, hardware execution, terminals or connectors, wiring, grounding, configuration, accessories and controlled commissioning results.

Pre-Installation Checks

1	Confirm the full 10026-02-12-05-02 marking and reverse-mount execution.	2	Depressurize the probe location and place the machine in maintenance state.
3	Isolate the monitoring loop and protect the probe connector from contamination.	4	Inspect the 5499 housing, probe sleeve, O-ring and pressure-seal surfaces.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	10026-02-12-05-02
Installed host	METRIX 10026 high-pressure proximity probe system
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

METRIX 10026-02-12-05-02 is a high-pressure reverse-mount proximity probe from the 10026 product family. It provides an 8 mm eddy-current sensing interface for installations using the matching high-pressure probe mount and transducer system.

FUNCTION 1

Uses a reverse-mount construction for the sealed probe assembly

FUNCTION 2

Supports the documented high-pressure mounting arrangement

FUNCTION 3

Carries the eddy-current probe signal through abrasion-resistant cable

FUNCTION 4

Provides exact article identity for controlled probe replacement

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	METRIX 10026 high-pressure proximity probe system
2	8537101190
3	High-pressure compressor monitoring
4	Install 10026-02-12-05-02 only in the documented METRIX 10026 high-pressure proximity probe 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 10026 high-pressure proximity probe system
Interface role	Uses a reverse-mount construction for the sealed probe assembly
Field / power context	Use 10026-02-12-05-02 only with its documented host, interfaces and accessories; record the as-found arrangement and complete a controlled functional verification after installation.
Commissioning evidence	Restore pressure integrity, set gap and prove polarity and response before release.

Installation and Connection Checks

1

Maintain the documented cable bend radius and connector-tightening method.

2

Verify insertion depth and keep the probe tip clear of the target during adjustment.

3

Match the probe to the approved extension and signal conditioner arrangement.

4

Restore pressure integrity, set gap and prove polarity and response before release.

MANUFACTURER SOURCE RECORD

10026 High-Pressure Proximity Probes Datasheet
METRIX document 1009797, Rev. G, April 2022

Applications and Engineering Context

High-pressure compressor monitoring

Measures shaft motion where the probe mount must retain a pressure boundary.

Sealed bearing-housing installations

Supports proximity measurement through the matching high-pressure sleeve.

Shaft-vibration measurement

Provides the sensing element of a documented eddy-current loop.

High-pressure probe replacement

Restores the exact probe and mount relationship without disturbing system calibration.

TECHNICAL NOTE

Install 10026-02-12-05-02 only in the documented METRIX 10026 high-pressure proximity probe 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	10026-02-12-05-02 recorded
Host / carrier	METRIX 10026 high-pressure proximity probe system
Physical interface	Uses a reverse-mount construction for the sealed probe assembly
Configuration	Match the probe to the approved extension and signal conditioner arrangement.
Functional proof	Restore pressure integrity, set gap and prove polarity and response before release.

IMPORTANT NOTICE

Confirm the complete 10026-02-12-05-02 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	10026-02-12-05-02
Approved role	High-pressure compressor monitoring
Final validation	Restore pressure integrity, set gap and prove polarity and response before release.

Engineering Precautions

- 1

Confirm the full 10026-02-12-05-02 marking and reverse-mount execution.
- 2

Depressurize the probe location and place the machine in maintenance state.
- 3

Isolate the monitoring loop and protect the probe connector from contamination.
- 4

Inspect the 5499 housing, probe sleeve, O-ring and pressure-seal surfaces.
- 5

Maintain the documented cable bend radius and connector-tightening method.
- 6

Verify insertion depth and keep the probe tip clear of the target during adjustment.
- 7

Match the probe to the approved extension and signal conditioner arrangement.
- 8

Restore pressure integrity, set gap and prove polarity and response 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

10026 High-Pressure Proximity Probes Datasheet
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