

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.

BRAND	METRIX	FAMILY	METRIX 10026 high-pressure proximity probe system
PART	10026-02-12-05-02	SYSTEM ROLE	Uses a reverse-mount construction for the sealed probe assembly

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MANUFACTURER SOURCE RECORD

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

Product Overview

SYSTEM FUNCTION

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

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	METRIX 10026 high-pressure proximity probe system
Primary interface	Uses a reverse-mount construction for the sealed probe assembly
Engineering 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 duty	Restore pressure integrity, set gap and prove polarity and response before release.

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.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Country of origin	USA	Probe thread	3/8-24 UNF
HS code	8537101190	Pressure rating	1000 psig (6.89 MPa)
Product family	10026	Tip material	Ryton
Probe style	Reverse mount	Cable impedance	95 ohm
Tip diameter	8 mm	Connector	Gold-plated brass

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

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.

Applications and Precautions

Common Applications

High-pressure compressor monitoring

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

Shaft-vibration measurement

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

Sealed bearing-housing installations

Supports proximity measurement through the matching high-pressure sleeve.

High-pressure probe replacement

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

Product 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.

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.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	10026-02-12-05-02
Configuration	Match the probe to the approved extension and signal conditioner arrangement.
Functional release	Restore pressure integrity, set gap and prove polarity and response before release.

Engineer FAQ

Q1 Which complete article marking distinguishes 10026-02-12-05-02 from nearby variants?

Confirm 10026-02-12-05-02, reverse-mount probe, 8 mm tip, 3/8-24 UNF mount, 5499 housing and sleeve, pressure rating, seal condition, cable route, connector, matching transducer electronics, static gap and controlled pressure and response tests before commissioning.

Q3 How should the host position and mating hardware for 10026-02-12-05-02 be verified?

The probe is fitted into the approved high-pressure sleeve and housing arrangement, with cable routing and connector protection maintained outside the pressure boundary. Commissioning checks mount identity, insertion depth, pressure seal, static gap and transducer response.

Q5 What wiring or connector checks are required for 10026-02-12-05-02?

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

Q7 Which alarms or status indications should be reviewed after replacing 10026-02-12-05-02?

Confirm the full 10026-02-12-05-02 marking and reverse-mount execution. Maintain the documented cable bend radius and connector-tightening method.

Q2 What system function is assigned specifically to 10026-02-12-05-02?

Uses a reverse-mount construction for the sealed probe assembly. It provides an 8 mm eddy-current sensing interface for installations using the matching high-pressure probe mount and transducer system.

Q4 Which power, signal or field circuits must be controlled before servicing 10026-02-12-05-02?

Depressurize the probe location and place the machine in maintenance state. Isolate the monitoring loop and protect the probe connector from contamination.

Q6 How is the approved software or hardware setup for 10026-02-12-05-02 preserved?

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

Q8 How is a controlled functional release completed for 10026-02-12-05-02?

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

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