

10026-02-12-05-02

High-Pressure Reverse-Mount Proximity Probe

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

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.

STEP	GATE	ENGINEERING PURPOSE
01	IDENTIFY	Confirm article, host and hardware
02	ISOLATE	Secure power and stored energy
03	CONNECT	Restore documented interfaces
04	VALIDATE	Prove diagnostics and function

WORKBOOK PURPOSE

Field-ready identity, isolation, connection, commissioning and closeout records for this exact METRIX article.

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Installation Readiness Gate

Complete the identity, host-system and isolation checks before disturbing the installed hardware.

- 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.

Pre-Work Evidence

EVIDENCE ITEM	RECORDED VALUE
Complete article marking	10026-02-12-05-02
Host / carrier	METRIX 10026 high-pressure proximity probe system
Primary system role	Uses a reverse-mount construction for the sealed probe assembly
Acceptance boundary	Restore pressure integrity, set gap and prove polarity and response before release.
Source record	10026 High-Pressure Proximity Probes Datasheet

WORK AUTHORIZATION RECORD

Work order: _____

Drawing / revision: _____

Checked by: _____

Date: _____

Isolation and Access Register

CONTROL POINT	ENGINEER RECORD
Incoming supply	Isolated / proved
Stored energy	Discharged / proved
Field connections	Identified / protected
ESD control	Established / recorded

Pre-Work Documentation

DOCUMENT	ENGINEER RECORD
Connection photograph	Reference / file
Configuration backup	Reference / revision
Diagnostic baseline	Reference / result

Connection and Installation Sequence

INSTALLATION PRINCIPLE

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.

- 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.

Connection Record

CONNECTION GROUP	AS-FOUND / AS-LEFT RECORD	STATUS
Power / field connection	Reference / terminal	Checked
Signal / interface	Reference / connector	Checked
Ground / shield	Reference / point	Checked
Accessory / carrier	Reference / part	Checked

MODEL-SPECIFIC RELEASE LIMIT

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

Interface Acceptance Criteria

ACCEPTANCE ITEM	REQUIRED EVIDENCE
Identity	10026-02-12-05-02
Host match	METRIX 10026 high-pressure proximity probe system
Connection proof	Verify insertion depth and keep the probe tip clear of the target during adjustment.
Configuration proof	Match the probe to the approved extension and signal conditioner arrangement.

Commissioning and Acceptance Record

Record each controlled verification step before the equipment returns to automatic operation.

NO.	ACCEPTANCE CHECK	RESULT	RECORD
1	Article and host identity	PASS / FAIL	Initial / date
2	Mechanical installation	PASS / FAIL	Initial / date
3	Power and field wiring	PASS / FAIL	Initial / date
4	Grounding and shielding	PASS / FAIL	Initial / date
5	Configuration restoration	PASS / FAIL	Initial / date
6	Signal or power-path response	PASS / FAIL	Initial / date
7	Diagnostics and alarms	PASS / FAIL	Initial / date
8	Final functional release	PASS / FAIL	Initial / date

Engineering Notes

RECORD AREA	ENGINEER ENTRY
As-found condition	
Corrective action	
As-left configuration	
Outstanding restriction	
Release authorization	

CONTROLLED COMMISSIONING

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

Diagnostics and Release Log

EVENT	ENGINEERING RECORD
Initial energization	Result / observation
Interface or signal response	Result / observation
Alarm and diagnostic review	Result / observation
Functional release	Name / date

Maintenance Verification and Closeout

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.

Related Engineering Pages

MODEL	ENGINEERING 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
METRIX document 1009797, Rev. G, April 2022

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