

10030-05-30-05-02

7200-Compatible Proximity Probe

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

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.

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.

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



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Installation Readiness Gate

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

- 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.

Pre-Work Evidence

EVIDENCE ITEM	RECORDED VALUE
Complete article marking	10030-05-30-05-02
Host / carrier	METRIX 10000-series 7200-compatible proximity system
Primary system role	Senses shaft movement without mechanical contact
Acceptance boundary	Prove polarity, position, vibration response and alarm action before release.
Source record	10000 Series 7200-Compatible Proximity Probe 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 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.

- 1

Keep the cable within the documented bend and tensile limits.
- 2

Verify the complete installed loop uses the approved 7200-compatible components.
- 3

Set static gap in the documented linear region after mechanical installation.
- 4

Prove polarity, position, vibration response and alarm action 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 10030-05-30-05-02 marking, installed host, hardware execution, terminals or connectors, wiring, grounding, configuration, accessories and controlled commissioning results.

Interface Acceptance Criteria

ACCEPTANCE ITEM	REQUIRED EVIDENCE
Identity	10030-05-30-05-02
Host match	METRIX 10000-series 7200-compatible proximity system
Connection proof	Verify the complete installed loop uses the approved 7200-compatible components.
Configuration proof	Set static gap in the documented linear region after mechanical installation.

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

Prove polarity, position, vibration response and alarm action 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

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.

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

10000 Series 7200-Compatible Proximity Probe Datasheet
METRIX document 1009553

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