1

01 Readiness and operating boundary

Before isolation, reconcile the complete label with the host drawing and capture the as-found installation.

Capture the installed identity

Confirm the complete PR6424/006-131 CON041 marking and documented hardware role before work.

Exact model	PR6424/006-131 CON041
Sensor principle	Eddy current, non-contact
Sensor diameter	16 mm

Prove the work boundary

Place the connected process and controller hardware in the approved maintenance state.

Identity	PR6424/006-131 CON041
Host	AMS Machinery Health Measurement Chain
Acceptance	Isolation and label record

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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PR6424/006-131 CON041

2

02 Configuration and interface setup

Translate retained records into a controlled map of position, connections, keying and configuration.

Build the channel map

Record the host position, companion parts, cable direction, terminal assignments and active configuration.

Sensor principle	Eddy current, non-contact
Sensor diameter	16 mm
Static range	±2.0 mm

Classify every field circuit

Create a point-by-point map of every affected connector, terminal and configuration assignment.

Identity	PR6424/006-131 CON041
Host	AMS Machinery Health Measurement Chain
Acceptance	Channel map approved

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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3

03 Installation and service sequence

Install the exact hardware and rebuild each interface without changing the documented architecture.

Restore the physical assembly

Isolate every documented power, signal and stored-energy source before disconnecting hardware.

Sensor diameter	16 mm
Static range	±2.0 mm
Recommended dynamic range	0 to 1000 µm peak-to-peak

Apply controlled settings

Protect keyed connectors, electronic contacts and labeled field conductors during handling.

Identity	PR6424/006-131 CON041
Host	AMS Machinery Health Measurement Chain
Acceptance	Assembly and settings restored

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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4

04 Verification and fault isolation

Energize under controlled conditions and observe all available device, carrier and system diagnostics.

Observe supervised states

Restore only the recorded power, wiring, grounding, shielding and configuration arrangement.

Static range	±2.0 mm
Recommended dynamic range	0 to 1000 µm peak-to-peak
Sensitivity	4 V/mm on 42CrMo4 steel

Exercise fault indications

Energize in a controlled sequence and review device, carrier, controller and field diagnostics.

Identity	PR6424/006-131 CON041
Host	AMS Machinery Health Measurement Chain
Acceptance	Supervision response recorded

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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5

05 Acceptance and service handover

Release the equipment only after identity, installation and functional evidence are recorded together.

Compile the acceptance package

Function-test non-contact measurement of shaft displacement, position, eccentricity or speed/key motion and retain the acceptance record before service release.

Exact model	PR6424/006-131 CON041
Sensor principle	Eddy current, non-contact
Sensor diameter	16 mm

Authorize the handover

Attach the as-left diagnostic state and named release owner to the handover record.

Identity	PR6424/006-131 CON041
Host	AMS Machinery Health Measurement Chain
Acceptance	Release evidence complete

Emerson VE4003S5B1 KJ3002X1-BG2 12P1731X082

Emerson KJ3002X1-BC1 12P0681X092

Emerson KJ3002X1-BD1 12P1033X102

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