TQ403 111-403-000-013 A1-B1-C036-D000-E100-F1-G098-H10

Exact-identity installation and commissioning guide

PRODUCT SCOPE

Vibro-Meter TQ403 111-403-000-013 A1-B1-C036-D000-E100-F1-G098-H10 is a standard-environment proximity transducer with an M20 × 1.5 body and a protected integral cable. The ordered configuration forms a 10 m TQ403 measurement front end for use with the documented conditioning chain.

Verified installation basis

Product line	Vibro-Meter TQ403 proximity measurement system
Sensor function	Non-contact eddy-current proximity measurement
Environment option A1	Standard environment
Body thread option B1	M20 × 1.5
Body length option C036	36 mm
Unthreaded length option D000	0 mm
Integral cable option E100	10 m ±1 m

Verified related ApterPower product pages

Vibro-Meter TQ412 S3960 111-412-000-013

Vibro-Meter AF70982 111-412-000-012

Pre-work control

Record the installed system before any disconnection

Required checks

- Record the complete TQ403 order number and every A–H option before removal.
- Place the monitored machine and associated protection functions in the approved maintenance state.
- Verify the M20 × 1.5 mounting thread, 36 mm body length and zero unthreaded length.
- Protect the sensing tip and maintain the documented initial gap to the metallic target.
- Route the 10 m integral cable and 9.8 m flexible hose without exceeding the permitted bend radii.
- Keep the miniature coaxial connection clean, dry, insulated and mechanically supported.

HOLD POINT

Confirm the complete TQ403 111-403-000-013 A1-B1-C036-D000-E100-F1-G098-H10 marking, target material and matched signal-conditioning chain before installation.

Evidence to retain

- Complete product and installed-unit marking.
- Approved project, wiring and cabinet records.
- As-found connector, cable, address and diagnostic state.
- Acceptance plan and final results.

Verified related ApterPower product pages

Vibro-Meter CA134 144-134-000-612

Vibro-Meter GSI127 244-127-000-017 A1-B02

Installation sequence

Use the approved manufacturer procedure and site work controls

1 IDENTIFY

Record the complete TQ403 order number and every A–H option before removal.

2 ISOLATE

Place the monitored machine and associated protection functions in the approved maintenance state.

3 RECORD

Verify the M20 × 1.5 mounting thread, 36 mm body length and zero unthreaded length.

4 VERIFY

Protect the sensing tip and maintain the documented initial gap to the metallic target.

5 INSTALL

Route the 10 m integral cable and 9.8 m flexible hose without exceeding the permitted bend radii.

6 RESTORE

Keep the miniature coaxial connection clean, dry, insulated and mechanically supported.

CONFIGURATION CONTROL

The TQ403 sensor detects the distance to a metallic target without physical contact, while the associated IQS900 converts the front-end response for machinery monitoring. This ordered version uses a standard-environment sensor, a zero-length unthreaded section and a flexible stainless-steel hose without IP172 connector protection. Preserve the complete option string, mounting gap, target material and matched system record whenever the installed transducer is serviced or replaced.

Verified related ApterPower product pages

Vibro-Meter CA303 144-303-000-011

Vibro-Meter CA306 144-306-000-321

Commissioning and acceptance

Return each affected function to its approved state

Identity	Record the complete TQ403 order number and every A–H option before removal.
Configuration	Keep the miniature coaxial connection clean, dry, insulated and mechanically supported.
Physical installation	Confirm the matched IQS900 configuration and total-system-length record before energization.
Functional acceptance	Complete gap, vibration, diagnostics and affected protection-function tests before release.
Diagnostics	Confirm that no unexplained product, communication or system diagnostic remains.
Release record	Document the final configuration, observed states, test results and responsible technician.

Verified related ApterPower product pages

- Vibro-Meter CA202 144-202-000-205
- Vibro-Meter CE281 444-281-000-111
- Vibro-Meter VM600 MPC4 200-510-070-113
- Vibro-Meter MPC4 200-510-SSS-1HH

Handover record

Traceable evidence for the installed product

Final acceptance

- Route the 10 m integral cable and 9.8 m flexible hose without exceeding the permitted bend radii.
- Keep the miniature coaxial connection clean, dry, insulated and mechanically supported.
- Confirm the matched IQS900 configuration and total-system-length record before energization.
- Complete gap, vibration, diagnostics and affected protection-function tests before release.

Manufacturer evidence used

- Parker Meggitt TQ403, EA403 and IQS900 proximity measurement system data sheet, document DS 265-063a.
- Parker Meggitt TQ403 mechanical drawing and A–H ordering-code table.
- Parker Meggitt TQ4xx proximity-system application and installation guidance.

Verified related ApterPower product pages

Vibro-Meter VM600 CPU M 200-595-074-122 200-595-100-014

Vibro-Meter VM600 MPC4 200-510-070-112

Talk to Apter Power

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Additional verified ApterPower product pages

Vibro-Meter VM600 IOC4T 200-560-000-019

Vibro-Meter VM600 IOC4T 200-560-000-113

Vibro-Meter VM600 CPU M 200-595-065-114 200-595-100-013

Vibro-Meter VM600 ABE042 204-042-100-011

Vibro-Meter MPC4 200-510-078-115