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

Proximity Transducer

EXACT PUBLISHED IDENTITY

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.

Technical snapshot

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
Protection option F1	Flexible stainless-steel hose; no IP172 connector

Verified related ApterPower product pages

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

Vibro-Meter AF70982 111-412-000-012

Engineering data

Verified exact-model values from official manufacturer evidence

Published characteristics

Flexible-hose option G098	9.8 m
Total system length option H10	10 m
Linear measurement range	12 mm in the matched TQ403 system
Frequency response	DC to 20 kHz (–3 dB)
Sensor temperature range	–40 to +180 °C
System recommendation	Conforms to API 670 recommendations
Connector	Self-locking miniature coaxial cable plug

EVIDENCE BOUNDARY

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.

Verified related ApterPower product pages

Vibro-Meter CA134 144-134-000-612

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

System role and applications

Documented contexts without configuration inference

SHAFT RELATIVE-VIBRATION MEASUREMENT

Tracks the non-contact radial displacement of a metallic rotating shaft in the approved measurement chain.

AXIAL-POSITION MONITORING

Provides the sensor-side gap signal used to monitor documented shaft or rotor axial movement.

LARGE ROTATING MACHINERY

Supports engineered turbine, compressor, alternator, pump and hydraulic-machine measurement points.

LONG PROTECTED SENSOR ROUTES

Uses a 10 m integral cable and flexible stainless-steel hose where the recorded installation requires protected routing.

Integration 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.

Technical questions

Complete answers tied to the exact published model

What role does Vibro-Meter TQ403 111-403-000-013 A1-B1-C036-D000-E100-F1-G098-H10 perform?

The complete TQ403 assembly serves as the non-contact sensing front end of a 12 mm eddy-current proximity measurement system.

Which mounting thread is supplied on TQ403 111-403-000-013 A1-B1-C036-D000-E100-F1-G098-H10?

Option B1 gives this TQ403 configuration an M20 × 1.5 threaded sensor body.

How is the body geometry defined for TQ403 111-403-000-013 A1-B1-C036-D000-E100-F1-G098-H10?

The ordered geometry combines a 36 mm body length under C036 with a 0 mm unthreaded length under D000.

What cable length belongs to TQ403 111-403-000-013 A1-B1-C036-D000-E100-F1-G098-H10?

Option E100 specifies a 10 m integral coaxial cable with a published tolerance of ±1 m.

Which mechanical cable protection is included with TQ403 111-403-000-013 A1-B1-C036-D000-E100-F1-G098-H10?

Option F1 supplies a flexible stainless-steel hose without an IP172 connector protector, and G098 specifies 9.8 m of hose.

Does TQ403 111-403-000-013 A1-B1-C036-D000-E100-F1-G098-H10 require a separate extension cable for its 10 m system length?

The E100 integral cable already provides the H10 total-system length, so this ordered configuration does not need an EA403 extension cable to reach 10 m.

What operating response is documented for the matched TQ403 measurement system?

The matched TQ403 system provides a DC to 20 kHz frequency response and a 12 mm linear measurement range.

Which checks complete installation of TQ403 111-403-000-013 A1-B1-C036-D000-E100-F1-G098-H10?

Installation is complete after technicians verify identity, mounting gap, target material, cable routing, connector condition, matched conditioner settings and all affected monitoring functions.

Product precautions

Eight controlled checks before return to service

1. Record the complete TQ403 order number and every A–H option before removal.
2. Place the monitored machine and associated protection functions in the approved maintenance state.
3. Verify the M20 × 1.5 mounting thread, 36 mm body length and zero unthreaded length.
4. Protect the sensing tip and maintain the documented initial gap to the metallic target.
5. Route the 10 m integral cable and 9.8 m flexible hose without exceeding the permitted bend radii.
6. Keep the miniature coaxial connection clean, dry, insulated and mechanically supported.
7. Confirm the matched IQS900 configuration and total-system-length record before energization.
8. 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 CA303 144-303-000-011

Vibro-Meter CA306 144-306-000-321

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