TQ902-011 111-902-000-011 A1-B1-C42-D2-E10000-F2-G9800-H10

Exact-identity installation and commissioning guide

PRODUCT SCOPE

Vibro-Meter TQ902-011 111-902-000-011 A1-B1-C42-D2-E10000-F2-G9800-H10 is a standard-mount proximity sensor for a TQ9xx/IQS900 measurement chain. Its confirmed complete identifier is retained exactly, while only option meanings supported by the manufacturer’s published tables are stated as technical values.

Verified installation basis

Product line	Vibro-Meter TQ902 standard-mount proximity sensor
Measurement principle	Non-contact eddy-current displacement sensing
Environment option A1	Standard environment
Body thread option B1	M10 × 1
Body length option C42	42 mm
Unthreaded length option D2	2 mm
Integral cable option E10000	10000 mm ±1000 mm

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 entire TQ902-011 order and option string exactly as supplied.
- Place the machine and affected monitoring or protection functions in the approved maintenance state.
- Verify the M10 × 1 thread, 42 mm body and 2 mm unthreaded section before mounting.
- Protect the PPS sensor tip and set the initial gap using the approved target and procedure.
- Route the integral cable and FEP-sheathed flexible protection without sharp bends or tensile loading.
- Keep the self-locking miniature coaxial connector clean, dry and electrically insulated.

HOLD POINT

Confirm the complete TQ902-011 111-902-000-011 A1-B1-C42-D2-E10000-F2-G9800-H10 marking and the installed manufacturer configuration record before replacement.

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 entire TQ902-011 order and option string exactly as supplied.

2 ISOLATE

Place the machine and affected monitoring or protection functions in the approved maintenance state.

3 RECORD

Verify the M10 × 1 thread, 42 mm body and 2 mm unthreaded section before mounting.

4 VERIFY

Protect the PPS sensor tip and set the initial gap using the approved target and procedure.

5 INSTALL

Route the integral cable and FEP-sheathed flexible protection without sharp bends or tensile loading.

6 RESTORE

Keep the self-locking miniature coaxial connector clean, dry and electrically insulated.

CONFIGURATION CONTROL

The sensor tip contains an eddy-current coil within a PPS high-temperature thermoplastic tip crimped to an AISI 316L stainless-steel body. When paired with an IQS900 and the documented cabling, the TQ902 chain supports relative-vibration and axial-position measurements with a DC to 20 kHz response. Maintain the complete supplied marking exactly and use the installed manufacturer record when reconciling cable-protection details, total-system length and replacement hardware.

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 entire TQ902-011 order and option string exactly as supplied.
Configuration	Keep the self-locking miniature coaxial connector clean, dry and electrically insulated.
Physical installation	Reconcile the complete G9800 marking and H10 chain record with the installed manufacturer documentation.
Functional acceptance	Prove gap output, vibration response, diagnostics and every affected protection channel 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 integral cable and FEP-sheathed flexible protection without sharp bends or tensile loading.
- Keep the self-locking miniature coaxial connector clean, dry and electrically insulated.
- Reconcile the complete G9800 marking and H10 chain record with the installed manufacturer documentation.
- Prove gap output, vibration response, diagnostics and every affected protection channel before release.

Manufacturer evidence used

- Parker Meggitt TQ902/TQ912, EA902 and IQS900 proximity measurement chain data sheet, document DS 265-101.
- Parker Meggitt TQ902 mechanical drawing and A–H ordering-code table.
- Parker Meggitt proximity measurement chains using TQ9xx sensors 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