TQ902-011 111-902-000-011 A1-B1-C40-D2-E5000-F0-G0-H05

Exact-identity installation and commissioning guide

PRODUCT SCOPE

Vibro-Meter TQ902-011 111-902-000-011 A1-B1-C40-D2-E5000-F0-G0-H05 is a standard-mount proximity sensor with a 5 m integral cable and no optional cable protection. The ordered sensor provides the complete 5 m front end for an appropriately configured TQ902/IQS900 chain.

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 C40	40 mm
Unthreaded length option D2	2 mm
Integral cable option E5000	5000 mm ±500 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 complete TQ902-011 order string, mounting point and conditioner assignment.
- Place the monitored machine and affected protection channels in the approved maintenance state.
- Confirm the M10 × 1 thread, 40 mm body and 2 mm unthreaded length before installation.
- Prevent impact to the PPS sensor tip and establish the documented initial gap.
- Support the unprotected 5 m FEP coaxial cable and maintain the approved bend radius.
- Clean, inspect and insulate the miniature coaxial connector before reconnection.

HOLD POINT

Verify the complete TQ902-011 111-902-000-011 A1-B1-C40-D2-E5000-F0-G0-H05 identity, 5 m route and matched IQS900 configuration before work.

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 TQ902-011 order string, mounting point and conditioner assignment.

2 ISOLATE

Place the monitored machine and affected protection channels in the approved maintenance state.

3 RECORD

Confirm the M10 × 1 thread, 40 mm body and 2 mm unthreaded length before installation.

4 VERIFY

Prevent impact to the PPS sensor tip and establish the documented initial gap.

5 INSTALL

Support the unprotected 5 m FEP coaxial cable and maintain the approved bend radius.

6 RESTORE

Clean, inspect and insulate the miniature coaxial connector before reconnection.

CONFIGURATION CONTROL

The sensor operates on the eddy-current principle and converts target-gap changes into an electrical response for the matching IQS900. Its PPS tip and AISI 316L stainless-steel body support severe industrial sensor locations, while the IP68-rated head protects the sensing assembly. Because the E5000 cable already equals the H05 total-system length, preserve the direct sensor-to-conditioner cable route and avoid adding an unrecorded extension cable.

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 TQ902-011 order string, mounting point and conditioner assignment.
Configuration	Clean, inspect and insulate the miniature coaxial connector before reconnection.
Physical installation	Do not insert an unrecorded EA902 cable because E5000 already provides the H05 chain length.
Functional acceptance	Validate gap output, vibration response, diagnostics and all affected monitoring functions 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

- Support the unprotected 5 m FEP coaxial cable and maintain the approved bend radius.
- Clean, inspect and insulate the miniature coaxial connector before reconnection.
- Do not insert an unrecorded EA902 cable because E5000 already provides the H05 chain length.
- Validate gap output, vibration response, diagnostics and all affected monitoring functions 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