190501-21-00-01

Prepare the installation review

This Apter Power guide supports preparation for 190501-21-00-01. Use the applicable manufacturer instructions and the approved site procedure for the actual installation.

Choose the measurement point	Mount on the bearing housing or casing where rotor vibration is transmitted effectively. Avoid flexible covers or locations dominated by unrelated structural motion.
Match the adapter	Confirm the option 21 interface: 3/8-24 to 1/2-14 NPT. Verify the machine connection and adapter engagement before fitting the sensor.
Apply the mounting torque	Use the specified 4.5 N m +/-0.6 N m sensor mounting torque with the applicable installation procedure; do not transfer it to unrelated pipe fittings.

Mechanical and identification record

Request current nameplate, top-connector, mounting-base and adapter photos. Check the complete order code, serial identification and approval marking against the intended channel and installation.

Preserve the installed configuration

Match the low-frequency velocity response, option 21 adapter, option 00 connector and actual approval marking. A different Velomitor configuration is not automatically interchangeable.

Supply boundary

Supply scope: Confirmed in quotation. The main item, mounting hardware, mating connectors, accessories and documents must be listed individually. A reference to a compatible component is not a statement that it is included.

Request item photos and a quotation

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Apter Power preparation reference - not a manufacturer manual.

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Verify work and retain the record

Confirm polarity and cable	Identify Pin A and Pin B and use the appropriate MIL-C-5015 mating connection. Select cable length and routing for the actual channel and installation conditions.
Review operating exposure	Keep the sensor within -40 deg.C to +85 deg.C in operation. Condensing humidity does not permit submersion; check the supplied approval marking separately.
Verify the channel	Check bias, velocity scaling, frequency band and response using an approved procedure. Assess high-frequency acceleration that could reduce the usable velocity range.

Before return to service

Record the item fitted, the equipment location and any configuration changes. Follow the site acceptance process, retain the required inspection or channel-check results, and resolve a mismatch before release to operation.

Maintenance and replacement planning

Manufacturer lifecycle: Confirm current production, service support and replacement guidance for 190501-21-00-01 with Bently Nevada before establishing a long-term spares plan. Replacement selection: Match the low-frequency velocity response, option 21 adapter, option 00 connector and actual approval marking. A different Velomitor configuration is not automatically interchangeable. Supply availability: Apter Power quantity and dispatch availability are confirmed separately in the quotation. Seller stock does not determine manufacturer lifecycle status.

Technical reference

190501 Velomitor CT Transducer, 141636 Rev. AF, pages 1-3 and 6-8. This guide summarizes preparation considerations and does not replace the manufacturer installation procedure.

Order review

Agree the full product identity, condition, quantity, dispatch timing, included items, documentation and warranty in the quotation. Request unit-specific photographs where an interface or marking affects selection.

Request item photos and a quotation

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