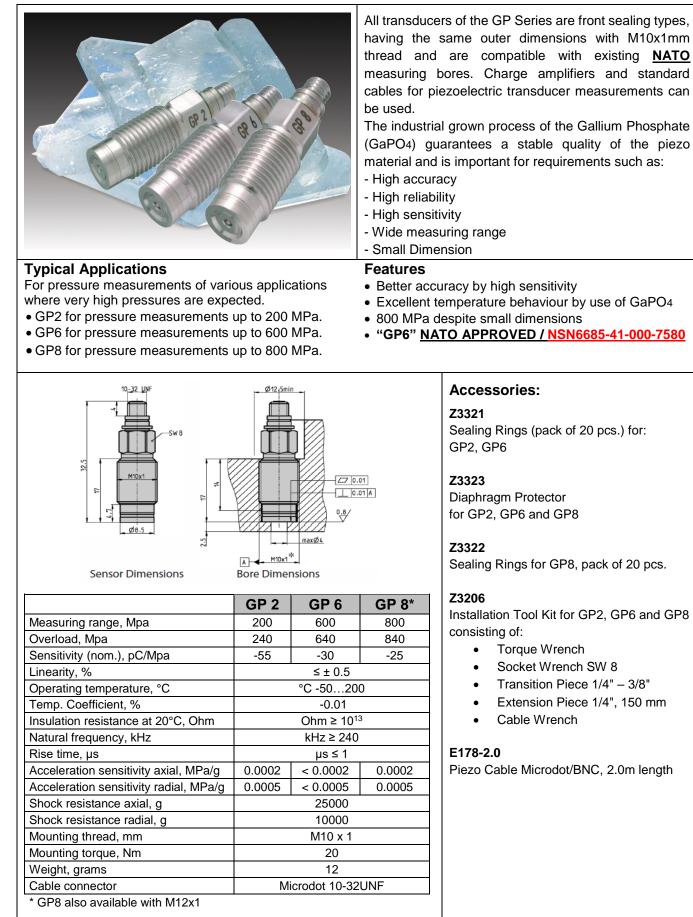


GP-Series Piezoelectric High-Pressure Transducer – Technical Data





Official NATO Approval for GP6 High Pressure Transducer "M-C-MOPI // Edition B-2017"

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SECTION 12

COMBINATION ELECTRONIC PRESSURE, VELOCITY AND ACTION TIME (EPVAT) TEST PROCEDURE

12.1 Applicability

5.56 mm, 7.62 mm, 9 mm and 12.7 mm ammunition submitted for Qualification Approval, Production Testing and Surveillance Testing shall be subjected to the Electronic Pressure, Velocity and Action Time (EPVAT) Test Procedure defined in this section.

12.2 NATO Requirements

The testing of ammunition for EPVAT at the specified barrel position(s) shall be performed simultaneously using piezo-electric pressure transducers and associated equipment as defined in this section. All requirements are for test ammunition conditioned and fired at the specified temperatures.

12.2.1 Transducer Type to be Used

- a. For 5.56 mm, 7.62 mm, 9mm and 12.7 mm, all testing will be conducted using the Kistler Model 6215 Transducer or HPI Model GP6 Transducer.
- b. For 9 mm, designs that were NATO Qualified using the Kistler Model 6203 transducer will continue to be Production Tested using the Kistler Model 6203 transducer. New 9mm designs submitted for Qualification Approval Testing will be tested using either the Kistler Model 6215 transducer or HPI Model GP6 transducer. All 9mm designs that were NATO Qualified with either the Kistler Model 6215 transducer or HPI Model GP6 transducer will subsequently be NATO Production Tested using either the Kistler Model 6215 transducer or HPI Model GP6 transducer.

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