

1.0 B251-800 IPG Internal Piezo Gauge

Autonomous gas pressure measuring system with integrated charge amplifier and onboard memory suitable for precise gas pressure measurements in large caliber weapons, to be placed it into the powder chamber or cartridge case.

B251-800 IPG Internation Piezo Gauge System consist following:

- a) B251 GH Steel gauge housing-upper Part
- b) B251 MM Micro Module
- c) Connection Piece
- d) Piezo-electric pressure transducer
- e) B251 ST Sensor Part

Main Specifications:

B251-800 Pressure Range: 8000 Bar

Charge Amplifier: Dynamic Type

Charge Input : 0 to 20000 pC

Offset correction: Automatically

Transient recorder: 12 bit analog/ digital converter

Sampling rate: 100Hz - 100KHz, 8K words memory, 80msec. - 80sec.

Recording time, trigger level selectable from 1-99%, pre-history recording selectable from 5-99%

System Accuracy: +/- 2.5%

Temp. Range : -40 to +65° C

Data Read out: by means of Infrared (wireless) interface

Temperature Recorder:

Range: -40 to +65 degrees centigrade, reading prior to measurement and after filling of memory by means of built in temperature sensor.

Power Supply and time control:

1/3N 3 Volt lithium battery, stand by time up to 99 hours, 3 hours ready for measurement after elapse of stand by time, 1 hour ready for data read out, multiple use of batteries in case of shorter timing sequences, measurement of battery voltage.

General Description:

Cylindrical steel body consisting of two parts connected by means of a thread. One part contains the peizoelectric transducer and one part the micromodule and battery. Access to the interior of the gauge and to the infrared interface connection by dismounting the gauge.



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