Skulite JRE HIGH TEMPERATURE PRESSURE TRANSDUCER

Sensor VIS®

High Natural Frequencies

HEM-375 (M) SERIES

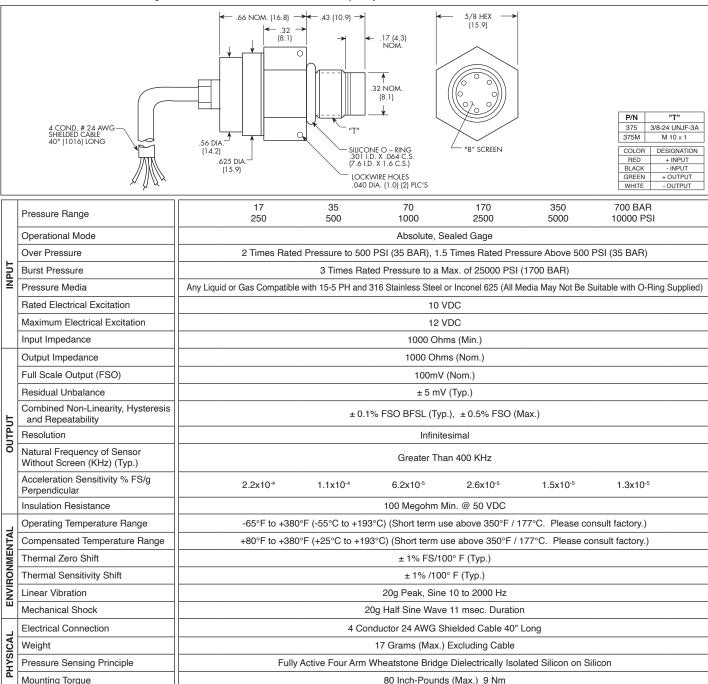
- Wide Temperature Capability · Silicon on Silicon Integrated -65°F To 380°F
- **Excellent Stability**
- All Welded Construction
- **Robust Construction**

The HEM-375 is a miniature threaded pressure transducer. The hexagonal head and o-ring seal make it easy to mount and simple to apply.

The HEM-375 utilizes a flush metal diaphragm as a force collector. A solid state piezoresistive sensing element is located immediately behind this metal diaphragm which is protected by a metal screen. Force transfer is accomplished via non-compressible silicone oil. This sensing sub assembly is welded to a stainless steel body. Use of high temperature materials allows for use at temperatures up to 380°F (177°C).

This advanced construction results in a highly stable, reliable and rugged instrument with all the advantages of significant miniaturization, excellent repeatability, low power consumption, etc. The miniaturization process also yields a marked increase in the natural frequencies of the transducers, making them suitable for use in shock pressure measurements and blast pressure wave studies.

Kulite recommends the KSC Series of signal conditioners to maximize the measurement capability of the HEM-375 transducer.



3/8-24 UNJF or M10 X 1 Thread

Note: Custom pressure ranges, accuracies and mechanical configurations available. Dimensions are in inches. Dimensions in parenthesis are in millimeters. All dimensions nominal. (V) Continuous development and refinement of our products may result in specification changes without notice. Copyright © 2014 Kulite Semiconductor Products, Inc. All Rights Reserved Kulite miniature pressure transducers are intended for use in test and research and development programs and are not necessarily designed to be used in production applications. For products designed to be used in production programs, please consult the factory.

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