URE HIGH PRESSURE IS® PRESSURE TRANSDUCER

HKM-15-500 (M) SERIES

- **Excellent Stability**
- All Welded Construction
- Robust Construction
- High Natural Frequency •
- 1/2-20 UNF Thread
- Silicon on Silicon Integrated Sensor VIS[®] • Intrinsically Safe Applications Available
- (i.e. IS-HKM-15-500)

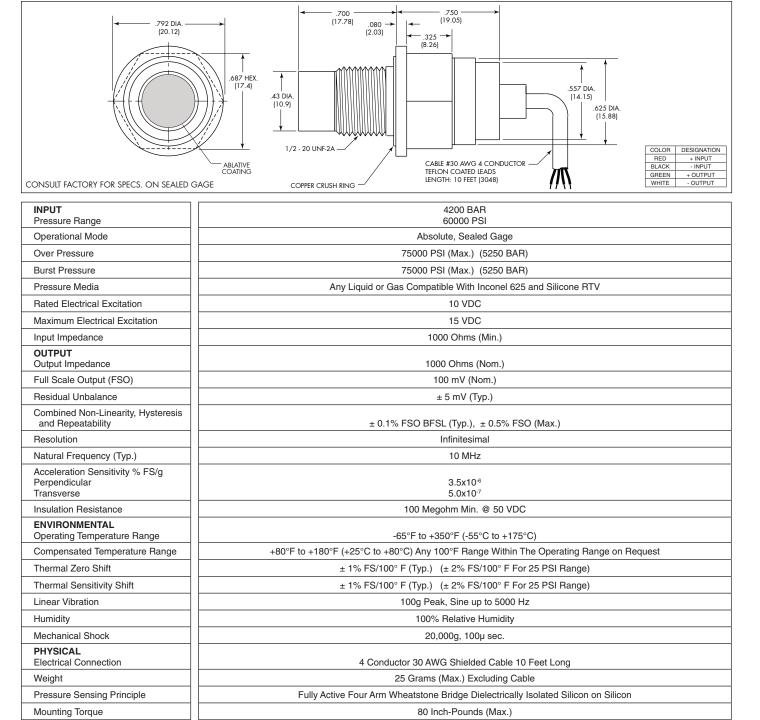
⟨X3⟩ GP The HKM-15-500 is a miniature threaded pressure transducer. The hexagonal head and o-ring seal make

it easy to mount and simple to apply. The HKM-15-500 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 an intervening film of non-compressible silicone oil. This sensing sub assembly is welded to a stainless steel body

This advanced construction results in a highly stable, reliable and rugged instrument with all the advantages of microcircuitry: 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 even in shock pressure measurements.





Note: Custom pressure ranges, accuracies and mechanical configurations available. Dimensions are in inches. Dimensions in parenthesis are in millimeters. Continuous development and refinement of our products may result in specification changes without notice - all dimensions nominal. (D)

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