

## FOR IMMEDIATE RELEASE

### Macro Sensors Announces Line of Hazardous Location LVDTs

**Pennsauken, NJ, January 1st, 2002....** Macro Sensors, a division of Howard A. Schaevitz Technologies, Inc. today announced the release of their HLR 750 series of ¾ inch (19 mm) diameter hermetically sealed AC-LVDTs that are UL approved for operation in Class I, Division 2 and Class I, Zone 2 hazardous locations. Applications include vane pitch measurement, fuel valve position feedback, or governor controls in natural gas-powered compressors and power generating turbines. This LVDT product line, available in stock full scale measurement ranges of ±1.00, ±2.00, ±3.00, ±4.00, ±5.00, ±6.00, ±7.50, and ±10.00 inches, offers these benefits:

- HLR 750 LVDTs are UL and ULC listed for operation in Class I, Division 2, Groups A,B,C, and D, and Class I, Zone 2, Group IIC hazardous locations (NEC 500 & 505).
- HLR 750 LVDT is a through-bore design, making its core accessible from both ends for better mechanical support and core guidance, as well as facilitating bore clearing.
- HLR 750 LVDT lead wires exit through a radially mounted 1/2" NPT male rigid conduit fitting for easy attachment to an explosion-proof junction box or electronics enclosure.



HLR 750 series AC-in/AC-out LVDTs feature the high resolution and excellent repeatability, typically better than 0.01% of full scale, associated with LVDT technology. HLR non-linearity is less than ±0.25% of full range output. Constructed of stainless steel for superior environmental robustness, these LVDTs are rated for continuous operation to 300°F (150°C).

Macro Sensors can supply support electronics for the HLR 750 series LVDTs with outputs of either analog voltage or 4-to 20 mA current loop that a user may install in an explosion-proof enclosure and connect to the LVDT's lead wires running in a suitable hazloc conduit.

In addition to their use with gas turbines, HLR 750 series LVDTs are ideal for most position measurements in pulp and paper mills, plastics plants, gas transmission pumping stations, auxiliary power generators, petrochemical process plants, LNG refueling depots, and many applications on off-shore drilling platforms.

For price and delivery, contact Eileen Ellis, Inside Sales Manager at Macro Sensors, 7300 U.S. Route 130 North, Bldg. 22, Pennsauken, NJ 08110-1541. Phone: 856-662-8000; fax: 856-317-1005; e-mail: [lvdts@macrosensors.com](mailto:lvdts@macrosensors.com); website: [www.macrosensors.com](http://www.macrosensors.com)

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