



For Immediate Release:

Compact Hydraulic/Pneumatic Position Sensors

Southborough, MA - Novotechnik U.S. introduces the TM1 Series of magnetostrictive linear hydraulic and pneumatic position sensors with compact housing. TM1 meets or exceeds 11 EMC standards.

TM1 Series is designed to be used inside or outside a cylinder with plug-in- and screw-flange versions respectively. A magnetic ring-shaped marker is affixed to your application's moving cylinder and moves up and down the TM1 rod without contact.

TM1 Series stroke lengths are from 50 to 2,000 mm in 25 mm steps. Operating pressure is up to 5,076 psi (350 bar) with peaks to 6,526 psi (450 bar). Both plug-in and screw type flange models are available.

Other key specifications for TM1 include absolute linearity of $\leq 0.04\%$ F.S. (min. 0.3 mm) and repeatability of $\leq \pm 0.1$ mm. TM1 Series sensors meet or exceed ISO, E1, and CISPR EMC standards. Output options include voltage, current, CANopen, and CAN SAE J1939.

Ingress protection is to IP 69, shock and vibration 100 g and 20 g respectively. Operating temperature range is to -40 to +105°C.

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