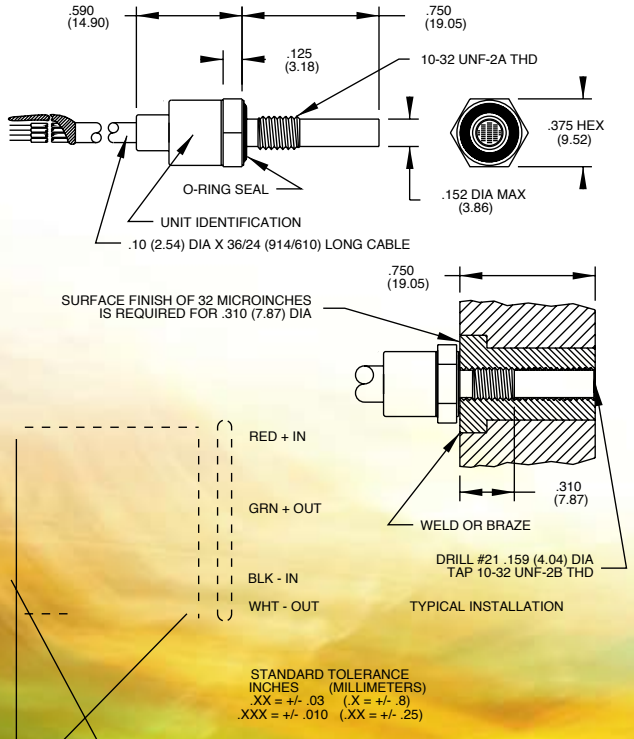
- 15 to 500 psia
- 300 mV full scale
- High temperature, +500°F (+260°C)
- Absolute reference



The Endevco® Model 8540 is a rugged, miniature, high sensitivity piezoresistive absolute pressure transducer. The transducer has a 0.15 inch (3.8 mm) face diameter and is available in ranges from 15 to 500 psia. The Model 8540 features high temperature performance to +500°F (+260°C) and can operate with diminished lifetime to +600°F (+316°C). Its excellent linearity combined with very high resonance makes it ideal for measuring dynamic pressure.

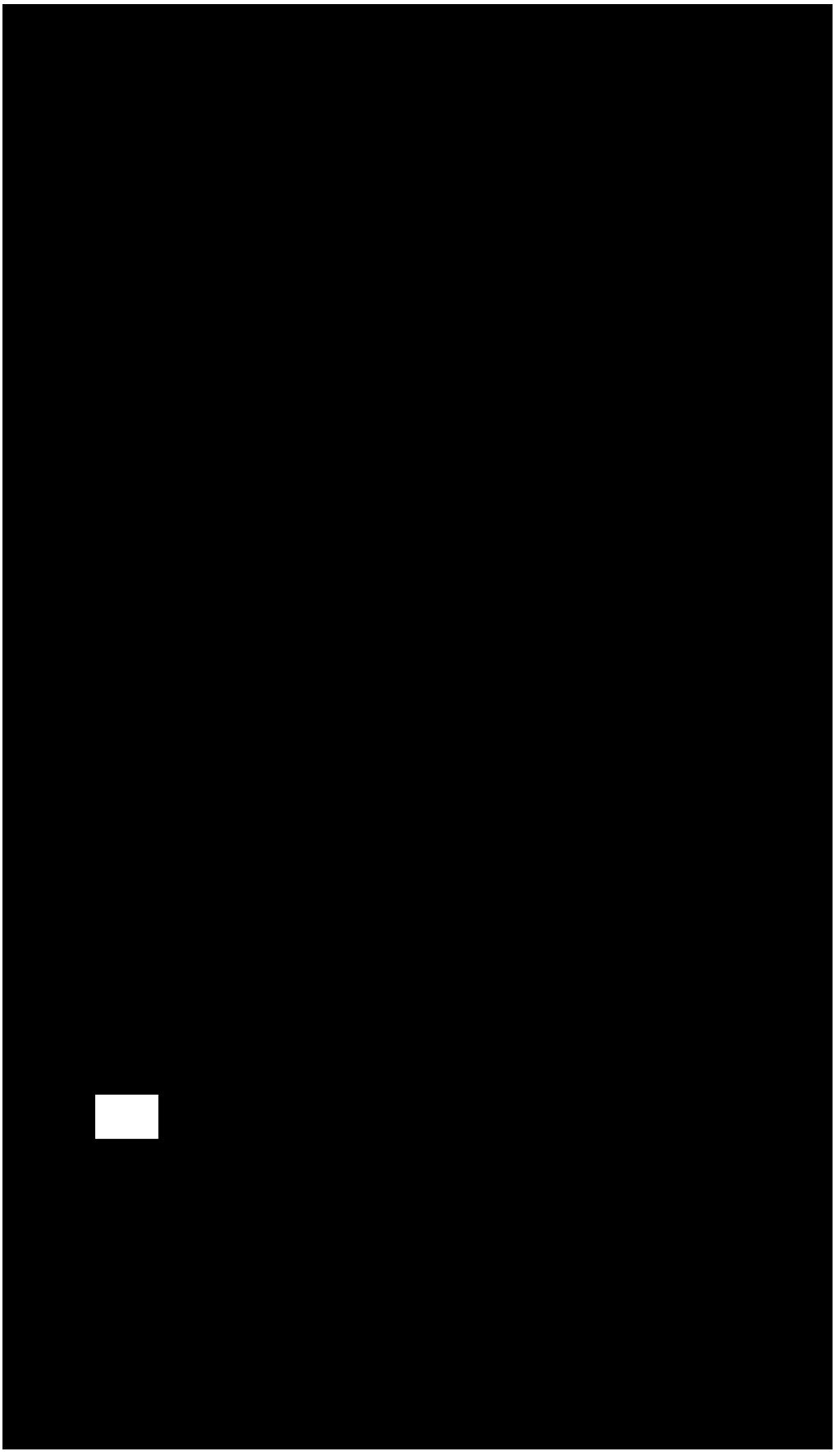
The transducer employs silicon strain gages bonded to a micro-machined silicon diaphragm for maximum sensitivity and wide frequency response. Internal sensitivity compensation and zero trim provides accuracy to +500°F (+260°C). This transducer exhibits low photo-flash sensitivity and high stability during temperature transients.

The Model 8540 is designed to measure static or dynamic pressures. Its small diameter suits it to flush mounting for measuring skin pressures on aircraft, inlet distortion pressures in turbine engines or transmission pressures in automobiles. The transducer's high frequency response permits use on small scale models in wind tunnels.

Endevco Model 136 three-channel system, Model 4428A or 4430A signal conditioner, or OASIS 2000 computer-controlled system are recommended as signal conditioner and power supply.

MEGGiTT
smart engineering for
extreme environments

Model 8540
Piezoresistive pressure transducer



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