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Type 100F Pressure Transducer



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These miniaturized **Pressure Transducers** are equally adept at monitoring underground, buried, or aerial cables. Their compact size conserves valuable manhole space, and their accuracy and repeatability provide dependable information that detects cable leaks before they become service interruptions.

The type 100F pressure transducers are designed for use on the [TH-5 transducer housings](#) where multiple transducer installations are required or future expansion is likely. They also fit [Model TTX-2 addressable Trunk and Toll monitoring systems](#), thus reducing inventory costs.

- High quality and outstanding repeatability
- Compact size for maximum space utilization
- Compatible with all automatic monitoring systems
- Gold-plated contacts for long-life reliability
- Rugged tin-plated all bronze case for long term corrosion and weather resistance
- Specifically designed for monitoring underground, buried or aerial pressurized telephone cables
- "O" ring sealed
- Instantaneous and precise cable pressure data
- One unit fits six housings including addressable applications for minimum inventory

SPECIFICATIONS

Operation pressure range	0 to 9.5 PSIG (0 to 0.7 kg/sq cm)
Maximum pressure	45 PSIG (3.16 kg/sq cm)
Electrical Output	100 K ohms to 3820 K ohms in 0.5 PSIG intervals
Accuracy	± 0.25 PSI at any interval
Ambient temperature range	-40° F to +130° F (-40° C to +54° C)
Altitude range	Adjustable in field from 0 to 10 000 ft (0 to 3048 meters) elevation
Operational life	In excess of 250,000 cycles
Body	Tin-Plated Bronze
Weigh	0.69 lbs (.31 kg)
Dimensions	2-1/8" W x 2-1/8" D x 3-1/4" H (5.4 cm x 5.4 cm x 8.26 cm)

Fully compatible with all automatic monitoring systems. Type 100F transducers are capable of withstanding 45 PSIG (60 PSIA) over-pressure. The electronic assembly includes gold-plated contacts for extended life and reliability. Rugged tin-plated bronze body is corrosion resistant for both underground and aerial applications.

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