

System Studies Incorporated

Transducer Test Meter

Providing On-site Measurement of 4-20 mA Transducer Output

The **Transducer Test Meter** (Part No. 9800-3600), provided by System Studies Incorporated, is a reliable and easy-to-use instrument which reads monitoring devices that output in the range of 4–20 milliamperes (mA). It is the ideal tool for performing field diagnostics on System Studies' High Resolution Pressure and Flow Transducers™, and for assisting in the installation of Cable Section Locator (CSL) devices used in the CopperWATCH cable theft monitoring application.

While 4–20 mA sensors monitored by 289H LSS™ or uM260™ equipment can be read remotely via PressureMAP™, the Transducer Test Meter makes it possible to obtain the same information quickly, on-site without having to log into the software. Now you can install transducers and perform routine maintenance on your monitoring equipment with the knowledge that your test meter will closely match what the monitoring system sees.

Measurement Procedures

To take either a flow or pressure transducer measurement, simply connect the meter's red and black leads to the monitoring pair of the device being measured. Since the devices are not polarity sensitive, it is not important which leads are connected to which conductor pair. Set the selector switch on the meter to the **mA** setting, pull the Reading/Battery Check switch on the back battery compartment toward the LCD display, and read the 4-digit milli-ampere output in the display window. Two of three conversion charts, provided with the operation instructions, are used to obtain an approximate psi or SCFH reading. The remaining chart is used to test and confirm the output of CSL devices during installation.

The 9800-3600 Transducer Test Meter is an indispensable tool for air pressure maintenance technicians who have responsibility for installing and maintaining cable pressure monitoring equipment.

Specifications

Instrument Display	Large (22 mm font height) 4-digit LCD display
Meter Enclosure	Non-slip, protective hard plastic
Electrical	Requires two sets of batteries: 1) digital display uses three AAA (1.5V) batteries, 2) mA power source uses one standard 9V Alkaline battery.
Display Area	2.44 in (6.20 cm) wide by 1.5 in (3.81 cm) high, 0.87 in (22 mm) font height
Display Output	4 digits (for mA, reads 2 places to right of decimal point)
Physical Size	The meter housing measures 7.0 in (17.78 cm) long by 3.25 in (8.26 cm) wide. The housing, including mA power source, is 2.75 in (6.99 cm) thick. The two 20 gauge test leads are approximately 30 in (76.2 cm) long.
Weight	20.2 oz (.573 kg)



(Back)

Part No. 9800-3600

System Studies Incorporated



2-1340 East Cliff Drive
Santa Cruz, CA 95062
(831) 475-5777
(800) 247-8255
(831) 475-9207 FAX
www.airtalk.com