SNAP™ SERIES III
UNIVERSAL PROVER

Features and Specifications
The American Meter SNAP Series III Universal Sonic Nozzle Prover is the largest and most versatile sonic nozzle proving system available to the gas measurement industry. This prover is designed to test practically every residential to large commercial distribution gas meter used by today’s utilities.

The prover uses sonic nozzles as the gas measurement standard. Sonic nozzles are a proven means to rapidly test gas meters with the highest degree of accuracy available. The following features are included with the SNAP Series III Universal Sonic Nozzle Prover:

• 10 Sonic Nozzles Capable of Delivering 14,000 cfh – Nozzle sizes are 25, 35, 50, 125, 250, 515, 1500, 2400, 3500, and 5500 cfh. The ten nozzles combine to provide 1023 possible flow rates.

• The Total Meter Proving Package – The SNAP Series III Sonic Nozzle Prover is a normal SNAP III Prover coupled to a large sonic nozzle manifold. This package allows a gas utility to test almost any size distribution meter: from a class 150 compact residential meter to an 11M Rotary Meter. One vacuum blower source (optional from American Meter) provides flow to all nozzles. One pressure source (shop air) is all that is required to control large nozzle valving and small meter clamping.

• Convenient Small Meter Testing – Small and light commercial diaphragm meters (150 to 1000 class meters) are tested using the SNAP III meter table and clamping connections. These meters can be proven magnetically or with an optical index sensor.

• Larger Meter Testing Capabilities – By simply re-connecting sense lines and meter volume register harnesses, the SNAP Series III Universal Prover can test larger diaphragm meters (AL-1400, AL-2300 and AL-5000s, for example) and all class rotary meters up to 11M capacity. These meters can be proved magnetically, optically, or with a high frequency pulser.

• Easy Operator Interface – As with Series II and Series III SNAP Provers, the Universal Prover uses a color Touch Screen Monitor as the operator interface. A mouse and keyboard are provided with every prover.

• Windows NT® – The SNAP Series III and the Universal Prover use Windows NT as the operating system. This operating system allows for the most efficient data collection and networking capabilities available for today’s meter shop.

• Extensive Remote Diagnostics – All SNAP Series III and Universal Provers come standard with remote diagnostics. This feature allows American Meter engineers to monitor the prover from the Metrology Lab, which accelerates troubleshooting procedures and minimizes downtime.

• American Meter Metrology – Commissioning of the Universal Prover is performed by experienced American Meter Metrology field engineers. Sonic Prover certification and training is performed on-site. Future service contracts for maintaining accurate prover operations over time are also available through American Meter.

For more information, please contact your regional AMCo Sales Representative or American Meter Company Metrology Department at: 1-888-900-SNAP (1-888-900-7627).