

# Portable Water Meter Test Kits

## Standard Direct Read and Resettable Electronic Register (RER) Versions

### FEATURES

These portable water meter test kits provide everything needed to accurately test domestic water meters, and it's all contained in an easy-to-handle, rugged carrying case weighing just 29 pounds.

Each test kit includes a factory-calibrated 5/8" Sensus SR II® water meter. Two test kit register versions are available; the Standard version includes a direct reading register on the meter with a sweep hand and appropriate calibration ring. The Resettable Electronic Register (RER) version features a liquid crystal (LCD) digital display which eliminates the need for using a calibration ring on the kit meter.

The portability of a Sensus Water Meter Test Kit makes it a valuable tool for easy on-the-spot meter testing. Handling customer complaints of meter inaccuracies becomes easy and painless because the kit provides high accuracy and easily understood results.

The reliability, high degree of accuracy and moderate cost make Sensus Small Meter Test Kits the perfect choice for utilities with no testing facilities of their own.

### ALTERNATE PROGRAM

**To test a 5/8-inch water meter**, the meter to be tested is removed from the customer line using the wrench provided in the kit. The spacer spool is removed from the test kit and the meter to be tested is coupled in its place.

The intake line of the test kit is attached to a source of water using one of the hoses provided. The second hose is used as a drain line. Water is slowly turned on and the system flushed to remove all air. To set a particular rate of flow, the quick shut-off valve is opened.

**Standard direct read register version;** a watch is used to time the calibrated test meter's sweep hand, the rate of flow being adjusted to the desired level by using the throttling valve.

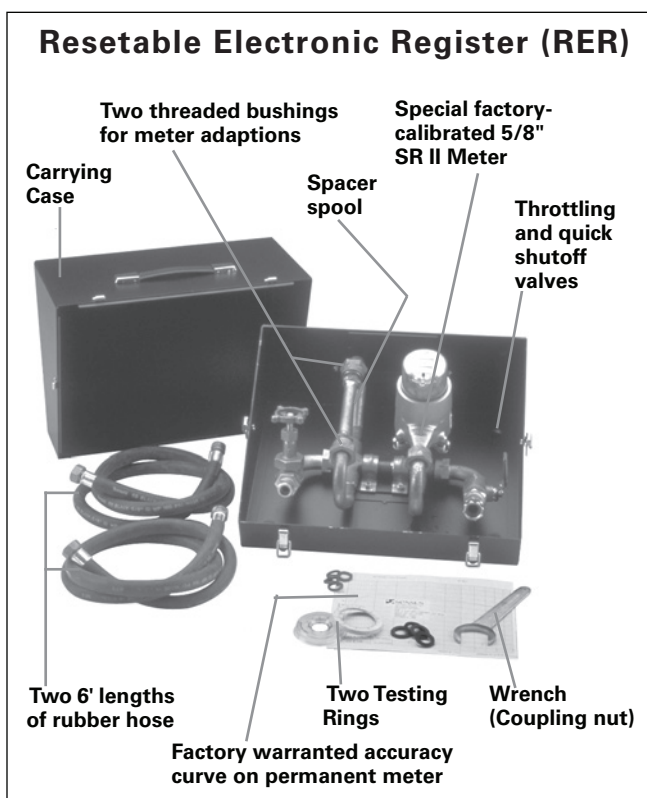
Close the shut-off valve, place the calibration rings on both meters—aligning the zero with the sweep hand.

Open the quick shut-off valve until the desired quantity of water has been run through the meters. Now compare the location of the sweep hands of both meters to their position on the calibration rings.

**RER digital display register version;** The digital display requires no calibration ring and is reset to zero by momentarily depressing a button built into the register head. The display will accumulate the total amount of water passing through the meter.

**Accuracy Scale**—Proving the accuracy of the kit's meter is possible by checking it against the accuracy on the graph provided in the kit. The accuracy of the meter being tested can then be computed for that flow.

**To test 3/4-inch and 1-inch meters**, a different procedure is required. These meters are tested in place, instead of in the test kit, because of their longer laying lengths. The spacer spool must be left in position in the kit. Locate a convenient faucet downstream from the meter to be tested. Attach the inlet hose of the test kit to this faucet. Make sure there are no leaks, or other use of water in the system during the test. Operate the test kit as described above.



**Special factory-calibrated 5/8" SR II Meter with Reset-table Electronic Register**