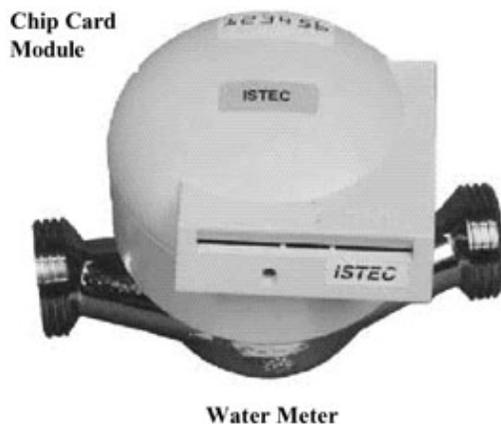


ISTEC

***Smart* WATER METERS**

ISTEC's Smart Water Meters take advantage of the newest technology to make meter-reading and information transfer easier. Smart Meters are a combination of a Multi-Wing Flowmeters and Chip Card Technology. This is the ideal solution for most smaller sub-metering systems. It provides the most economical sub-metering system and eliminates transfer errors.



The Smart Water Meter features a 6-Digit Liquid Crystal Display, which shows a non-resettable water volume total in US Gallons. The meter has a very modern and attractive design, with a silver-gray Chip Card Module and a Nickel plated flowmeter body.

The Smart Meters can be installed easily with double union connections. An arrow on the meter's body indicates flow direction. The meter can be installed either

horizontally or vertically. For added convenience the Chip Card Module with LCD can be rotated so that the meter can be read conveniently in any position.

The flow chamber is completely sealed and has a built in screen on the inlet side to prevent large particles from entering the meter. The flow information is transferred to the electronic Chip Card Module using a magnetic coupling. This ensures that there is a high level of accuracy and reliability.

Information transferred from the meter to the Chip Card contains both the flow total and a unique meter identification number. Each Chip Card can store from as many as 50 different meters. What an easy way of keeping track of multiple customers' water consumption!



Chip Card

The Chip Card Module uses a battery, with a lifetime of at least 7 years. The

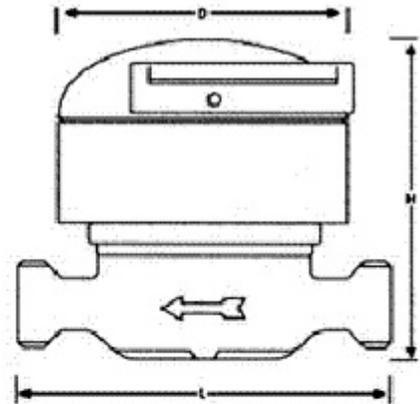
electronics are protected in a hard case with a security seal to prevent tampering.

ISTEC's Chip Card technology can be adapted to any meter with a pulse output. With a Pulse to Chip Card Converter any meter can now have all the benefits of the *ISTEC* Smart Meter System.

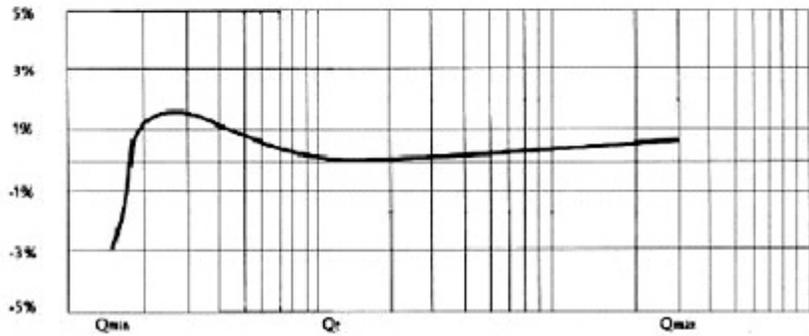
Technical Specifications

3/4" Smart Water Meter Specifications

Product Number	5101	5102
Max Temperature	90°F	190°F
Qmin (Minimum Flow)	0.2 GPM	0.2 GPM
Qn (Continuous Flow)	11 GPM	11 GPM
Qmax (Maximum Flow)	22 GPM	22 GPM
Max Pressure	230 psi	230 psi



Accuracy Curve



Dimensions

Pipe Size	3/4"
Length (L)	5.2"
Height (H)	3.7"
Diameter (D)	3 3/8"
Weight	1 1/4 lbs.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.