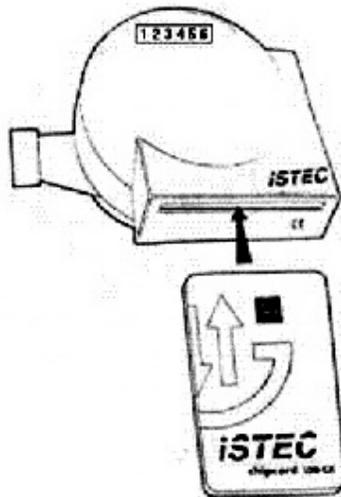


CHIP CARD SYSTEM

ISTEC



ISTEC's chip card system is a very versatile device that is used to measure and transmit complete information on water consumption, energy in heating and cooling systems, or any other metering system with a pulse output. It consists of three components: - a meter, a chip card, and a chip card reader.

The use of a chip card system virtually eliminates any error in the transcription process. It is a very simple and accurate way of transferring information from the meter to your computer.

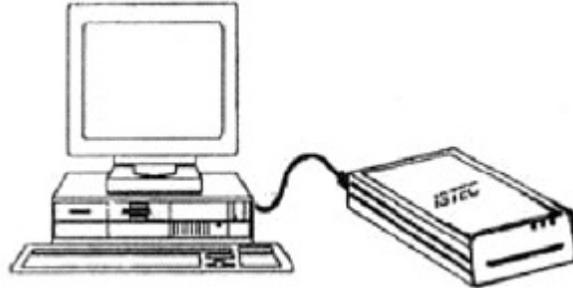
Chip Card

ISTEC's Chip Card is a smart card equipped with a microprocessor-module with gold plated contacts. A single Chip Card can store information from as many as 50 different meters. By inserting the card into the meter's chip card port the current meter reading and meter identification numbers are updated and transferred onto the Chip Card.



Chip Card Reader

ISTEC's Chip Card Reader transfers the Chip Card information into your computer. Now your computer contains up-to-date meter readings. You can use



either a spreadsheet program (e.g. Microsoft Excel) or a word processing program (e.g. Microsoft Word) to process the information or to prepare billings for tenants.

Smart Water Meter

The *ISTEC* Smart Water Meter is a water meter (hot or cold) with a liquid crystal display and a chip card port. The water meter measures the flow and shows the total on the 6-Digit liquid crystal display. By inserting the card into the meter, the meter reading is transferred to the chip card.



The Smart Flow Meter features a modern, attractive design. The meter's body is Nickel-plated and uses a union connection for easy installation. The meter is protected with seals to assure accurate reading and to prevent tampering. This meter can be installed either vertically or horizontally. The display can be rotated for added ease of reading.

Smart BTU Meter

The ISTECS BTU Meter measures the energy in heating and cooling systems, and shows the BTUs used on the Liquid Crystal Display. The Smart BTU Meter is similar to the Smart Water Meter with attached platinum sensor probes. The total energy used is transferred to the Chip Card when the card is inserted into the meter.

Pulse to Card Converter



ISTEC's Pulse to Card Converter allows any pulse meter (gas, electric, etc.) to be compatible with and part of the chip card system. The pulse total from any of those meters is shown on the 6-digit liquid crystal display. Now you can read not only water useage, but also electricity, gas, etc. and have all the

benefits of the ISTECS Chip Card System.

WIRELESS SYSTEM

Now you can update any Chip Card System to a Wireless Communication System.

A Wireless Communication Module can be inserted into the chip card port so that it can communicate with the central receiving station. The consumption of

all meters can be read at the receiving station either by inserting the chip card or through a modem transmission directly into a computer.

Wireless Communication Module

The Wireless Communication Module is a two-way transmitter that can be inserted into the chip card port of any smart meter. The module updates the consumption continuously to the central receiving station.

The use of a chip card system eliminates possible errors in the transcription process. It is a very simple and accurate way of transferring information from meters to your computer. It is the most economical submetering system on the market today