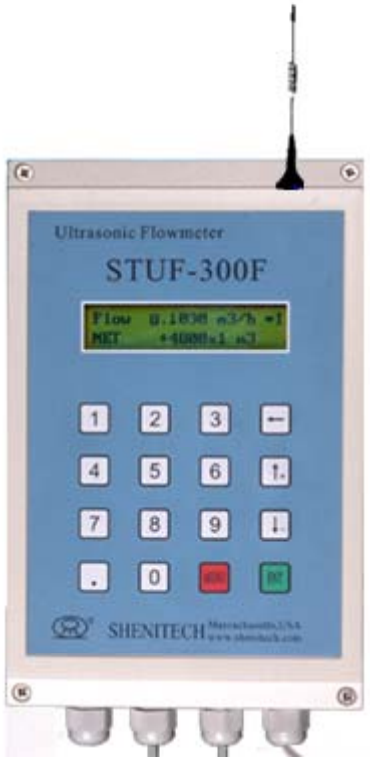
STUF-300FNx - WIRELESS ULTRASONIC FLOWMETER

Introduction

Accurate flow measurement for liquids in closed pipes
No moving parts to wear out, thus, long life span and require no maintenance
Abundant input / output resources
Low-power consumption
IP65 (NEMA 4X) weather-proof enclosure
Equipped with GSM or GPRS modem for wireless flow monitoring

- When equipped with GSM modem:
  With a cell phone, one can check the flowmeter readings and working status anywhere
- When equipped with GPRS modem:
  With a computer, one can program the flowmeter, monitor flowmeter status and read flow data continuously from a remote location. The data can then be record into a database

Optional PC software for flowmeter networking and data management
Software customization service available
For more details, refer to *Brochure_STUF-300Fxx.pdf.*



Application Examples

Remote leakage detection system
Solar-powered flow monitoring network
Water distribution networt
irrigation water resources management
Wireless flow measurement in industrial plants

Example 1: GSM-based Leakage Detection System

System Functions:

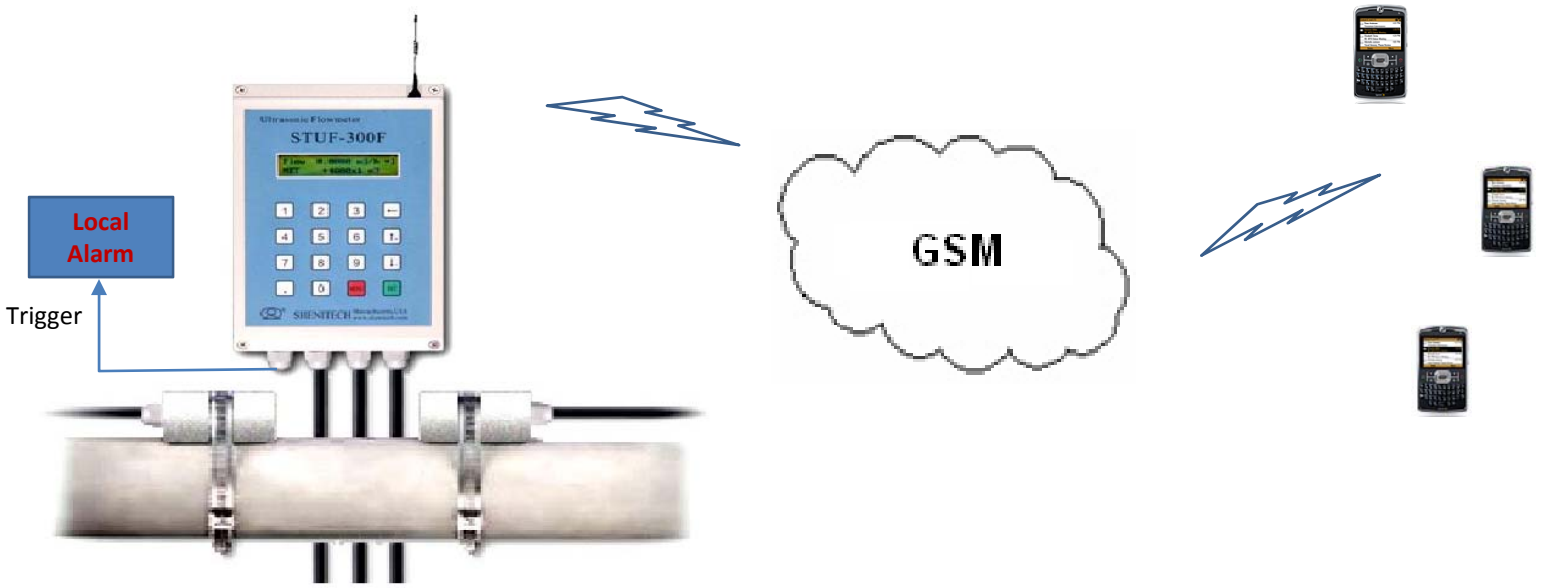
A cell phone is able to program the flowmeter parameters, such as leakage threshold, from a remote location.

The flowmeter will enter leakage detection mode at scheduled time and date.

When leakage is detected, the flowmeter sends short alarm message to a list of cell phones. It also sends a trigger signal to local alarm or SCANDA system.

A cell phone is able to query flow rate data anywhere.

Note: the flowmeter needs a SIM card with GSM service activated.



Example 2: GPRS-based Flow Monitoring Network

System Functions:

A centralized flow monitoring system.
Able to program all the flowmeters from a center location.
Able to collect flow data from a number of remote flowmeters.
Able to store data into a central database.
Able to indicate the working status of all the flowmeters.
Note: each flowmeter needs a SIM card with GPRS service activated.