Heat Meter Reading System

Summary

Heat Meter Reading System consists of ordinary type heat allocation meter, household heat allocation system, heat flow meter, searchable concentrator end and HHU. It realizes the automatic remote reading function. The consumers' heat consumption data can be obtained by temperature gap which is displayed both on heat allocation meter and heat flow meter. There are two ways of collecting consumption data from end users to computer system: one is automatic remote-reading, the heat consumption data are first sent to concentrator-end through 470M wireless, then transmitted through wireless network to System Data Center; the other is manual data collection, the operator record the consumption data directly from the household heat meter by HHU, then upload the data by RS232-USB to computer in System Data Center.

Heat Meter

Heat meter Reading system

Wireless network

Fiber optic cable

system data center

RS23-USB

data upload

HHU

Internet

GPRS wireless network

searchable concentrator end

470M wireless remote transmit

470M wireless reading data

large calibre ultrasonic heat meter

inlet water pipe

Outlet water pipe

470M wireless reading data

Antenna outside heat allocation meter

heat sink

user 3

470M wireless reading data

Ordinary heat allocation meter

heat sink

user 2

Small-bore ultrasonic heat meter

househole alloaction meter

heat sink

user 1