# RTU SERIES

# AFM1200
## REMOTE TERMINAL UNIT



**RTU**

**PLC**

**DATALOGGER**

AFM1200 has three sleep modes with optional 24V DC output for sensors that leads to use only one power supply or battery. Single battery usage along with active sleep mode makes it is possible to achieve low power application needs.

**AFM1200 HAS 1 ms TIME RESOLUTION FOR EVENT LOGGING SO THAT SPECIAL CIRCUMSTANCES LIKE SEQUENCE OF EVENTS CAN BE EASILY MONITORED. IN NORMAL TEMPREATURES EVENTS CAN BE RETAINED UP TO 200 YEARS .**

AFM1200 used in M2M, monitoring, logging and low power applications with sleep functions and high reliable retention times (up to 200 years) for fast changing signals with ±1 ppm RTC resolution.

**DNP3**

**RS232/485**

**±1 ppm RTC**

**12-16 BITS RESOLUTION**

**SLEEP MODE**

**24V DC OUTPUT OPTION**

**RTC RETENTION >10 YEARS**

**REMOTE UPDATE**

## FEATURES

**INPUT OUTPUT**
- DIGITAL INPUTS (x4) OPTICALLY ISOLATED
- DIGITAL OUTPUTS (x3) DRY CONTACT(400mA)
- 0-20mA INPUT (x2)
- 0-10V INPUT (x1)
- 16 BIT COUNTERTS FOR DIGITAL INPUTS

**SERIAL PORT**
- RS232
- RS485 (HALF DUPLEX) TR INCLUDED

**DNP3 SUPPORT**
- 18684 event log
- CLASS 1,2,3 events
- APP.FRAG.SIZE:2048 bytes
- DATALINK SIZE: 292 bytes

**SERIAL SPEED**
- 300 bps - 115200 bps

**PLC FUNCTIONS**
- AND,OR,XOR,XNOR,NAND,NOR
- TIMER,COMPARE,SCALE
- SETREGISER

**MODBUS RTU**
- READ HOLDING REGISTERS(FC:3)
- PRESET MULTIPLE REGISTERS(FC:16)
- MOSBUS PACKET SIZE 256 BYTES

**SUPPLY VOLTAGE**
- 6,5 - 28V DC

**OPERATING TEMP.**
- -40 - +85 °C

## KEY BENEFITS

- High precision measurement up to 16 bits resolution.
- I/O monitoring,programming and communication features are implemented in one device so that the overall cost of application will be reduced.
- The sleep feature will extend the battery life.
- 18684 measurement data can be logged and will be retained even power loss.
- Based on industrial DNP3 protocol for real- time based applications.
- With 24V DC output, up to two 0-20mA sensors can be supplied without using external supply.
- Additional on-board I/O may be used to control several inputs/outputs in the field.
- Firmware can be updated via serial port.
- Minimum 1ms time resolution of events.