

FRT X07A Automatic Weather Station

Overview

FRT X07A AWS is a fixed-ground automatic observation equipment developed by Fronttech independently. The system including 7 state-of-the-art meteorological sensors ,data acquisition, control processor, such as GPRS wireless transmission. The X07A offers the solution to measure barometric pressure, humidity ,temperature, wind speed and direction, rainfall , and solar radiation.

Application

- Meteorological and hydrological observation
- Agriculture and forestry, irrigation plants
- Emergency observation
- Automatic weather stations, climate observation study

Features

- Work properly in a variety of natural environments,
- The data acquisition system is accurate, reliable data, LCD
- The collector memory capacity
- long time meteorological data can be stored contiguously
- Multi-functional, scalable, self-adaptable
- Sophisticated technology, and has good corrosion resistance
- A variety of state-of-the-art design of lightning protection
- The means of transmission of the ways of transmission, available GPRS, RS485, satellite



Qualification

Temperature	Measuring range: $-40\sim 60^{\circ}\text{C}$ (configurable) Accuracy : ± 0.3 (configurable)
Relative humidity	Measuring range: $0\sim 100\%$ Accuracy : $\pm 3\%$ (configurable)
Air Pressure	Measuring range: $10\sim 1100$ hpa (configurable) Accuracy : ± 1 hpa (configurable)
Wind direction	Measuring range: $0\sim 360^{\circ}$ Accuracy : $\pm 3^{\circ}$ (configurable)
Wind speed	Measuring range: $0\sim 60$ m/s Accuracy : $\pm 0,3\text{m/s}$ or $\pm 3\%$ ($0\sim 35\text{m/s}$)
Rainfall	Measuring range : $0\sim 4\text{mm/min}$ Accuracy : 0.1mm
Radiation	Measuring range : $0\sim 2000$ W/m ² Accuracy : 5%