Since 1985

elttronics ®

To provide insight for enhancing wealth

SMART ENVIRONMENT

Data logger for automatic weather station is indigenously developed with state of art technology. Designed to meet WMO "DATA QUALITY" guidelines. Utilizes high precision and accurate signal conditioning methods. Data logger can be interfaced with

wide variety of sensors:

1. Temperature
2. Relative humidity
3. Atmospheric pressure
4. Wind Speed & direction
5. Solar radiation
6. Rain
7. Leaf temperature
8. Leaf wetness
9. Soil temperature
10. Soil moisture
11. Carbon dioxide
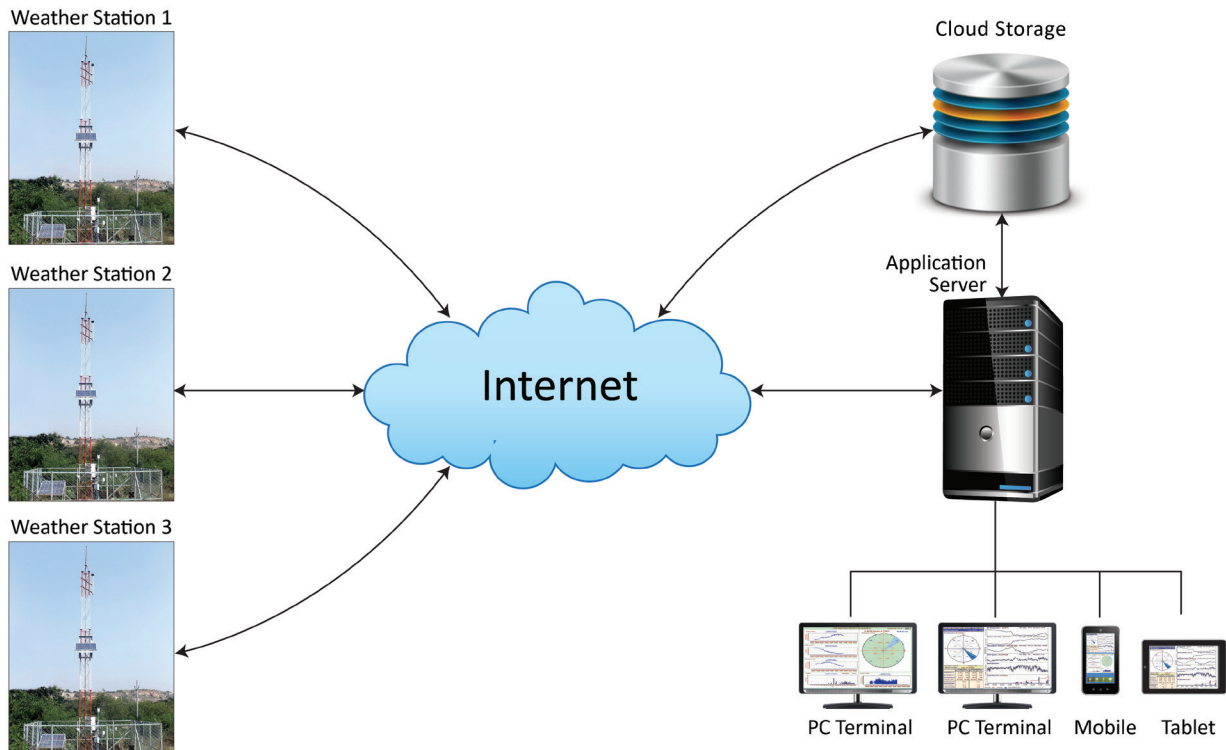12. Rain detector
13. Visibility

Data Logger

SALIENT FEATURES

- High accurate measurements

- Configurable time intervals for data logging 1 sec & above

- Data transfer to multiple data servers

- Data transfer through SATELLITE / GPRS / Wi-Fi / ZigBee / RS232, 485

- Supports HTTP / IEEE1888 / TCP / UDP / User specific communication protocols

- Retransmission of failed data upon network availability

- Configurations of AWS dataloggers, through webserver. (resetting / time config / sampling intervals / stored data retrieval from datalogger can be done using web / internet)

- Sleep mode functionality for power saving.
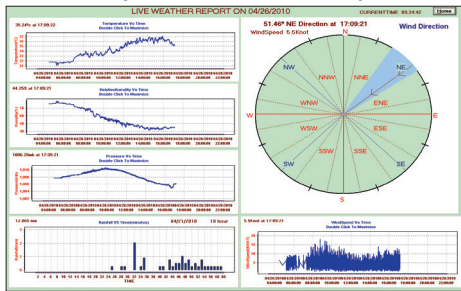
- Data quality validation using WMO QC methods

"A PRODUCT DEVELOPMENT COMPANY"

SMART ENVIRONMENT

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ARCHITECTURE

Weather Station 1

Weather Station 2

Weather Station 3

Cloud Storage

Application Server

Internet

PC Terminal   PC Terminal   Mobile   Tablet
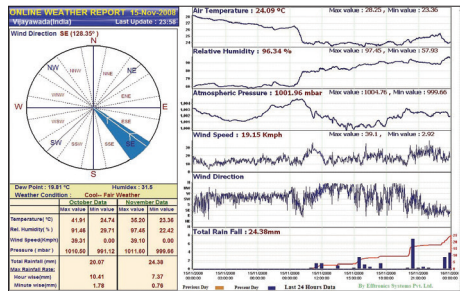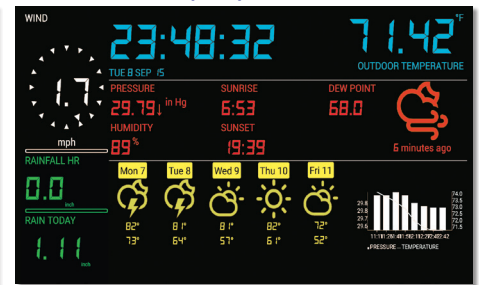
Analytic Weather Report

Weather on Portal

Display Board

APPLICATION SOFTWARE

Features:

1. Data can be retrieved from the datalogger through Laptop / PC locally
2. Configure the datalogger for new versions of software, new sensors, sampling rate change and other user defined requirements
3. Graphical representation of the data

APPLICATIONS

- Meteorology
- Hydrology
- Urban Infrastructure Management
- Industries
- Agriculture
- Flood and Drought Monitoring
- Insurance
- Pollution Monitoring
- Evapotranspiration stations
- Avalanche Monitoring

＊ Disclaimer: Product specifications and data are subject to change without notice to improve Reliability, Function or Design or Otherwise