

1.0 Environment Monitoring System (EMS)

1.1 The environment monitoring system shall be a stand-alone, full functionality device housed in one small and robust chassis. It shall consist of a user-friendly HTML interface using any web browser and shall be able to send alert signal via SMS or email.

1.1.1 Technical Specification

- a. Operating voltage : 12-12VDC, 5W
- b. Digital input: 8 digital inputs, volt free/dry contact
- c. Digital output : 2 relay outputs, contact rated@24VDC 1A max
- d. Analog Input : 2 analog inputs, 4-20mA
- e. Communication port : 1 x Ethernet 10/100Mbps
1 x RS 485 Modbus Port
- f. Network protocol : TCP (Transmission Control Protocol)
IP (Internet Protocol)
HTTP (Hyper Text Transfer Protocol)
Modbus (Master only)
- g. GSM Modem : HSPA+ 900/2100MHz
GSM/GPRS/EDGE
850/900/1800/1900 MHz
- h. Humidity : 0-90% non condensing
- i. Temperature : 0-55degC