PRODUCT OVERVIEW

**EST-QB2100 Gas alarm controller system** is a flexible 19" rack mounted or wall mounted multi-point gas-based monitor control system. It can monitor up to 8, 16 or 32 gas detectors of analogue signal or 48 detectors of digital signal. A separate gas level display is provided for each gas detector and it can be engineered into very large systems and tailored to suit individual site requirements.

**Features:**
1. With 32 digit embedded micro-processor, all the day to day functions are available from the front panel.
2. System is expandable. For 4-20mA analogue signal the capacity can be 16 channels and for RS485 signal, the capacity can be 1 to 48 channels. With unique bar graph display per channel provides an instant representation of gas concentrations.
3. Intellectual Management: the gas controller integrates fully with different gas detector, different range and different gas unit.
4. Alarm set-points can be set per channel individually.
5. Intelligent system for zero calibration online.
6. Search for the online detectors automatically.
7. 4 non-contact relay output, programmable.
8. 999 records of alarm, failure.
10. 1 channel of RS485 output for connection with the upper system.

**Application:**
This microprocessor-controlled unit is used throughout the world and applies to metallurgy, petrol, petrifaction, chemistry, light industry, coking, municipal administration, gas, pharmaceutical, sewage dealing and many other special industry and field that need proofing for fire, explosion, and toxic gas leakage.
The gas detection system

**SPECIFICATION:**

- **Model:** EST-QB2100
- **Gas:** %LEL, ppm, %VOL
- **Ambient condition:** -10～+50 degree; Humidity < 95%RH
- **Response time:** T90 < 30s
- **Output signal:** Passive contact capacity (2A/AC220V)
  - The first alarm value: The alarm value can be set by users.
  - The second alarm value: The alarm value can be set by users
- **Power supply:** AC220v, 50HZ < 4W
- **Standby battery:** 5AH continuous working
- **Dimension:** 280*450*90mm
- **Net Weight:** 5.5kg
- **Mounted Way:** 19” rack mounted or wall mounted
- **Power watt:** <=30W
- **Distance:** <=1000m
- **Cable required:** >=RVVP 2*1.5mm2, 3*1.5mm2 or 4*2.5mm2