Sensplorer

SPx-S6003

Sensplorer 3-Phase Voltage Monitoring Module

CLOUD AND MOBILE MONITORING

Sensplorer's MQTT protocol support presents secure, accurate, prompt mobile and cloud based monitoring for voltage values of three phase power lines.

3-PHASE VOLTAGE

Hardware and software solution that monitors 3-Phase voltage monitoring with the most advanced sensor in the world.

A UNIQUE NAME, CONFIGURATION AND "IF THIS THEN THAT" RULE CAN BE SEPERATELY ASSIGNED FOR EACH INDIVIDUAL SENSOR

Sensplorer's flexible , modern and user-friendly software gives you the freedom to use it any way you want. No design or system limitations
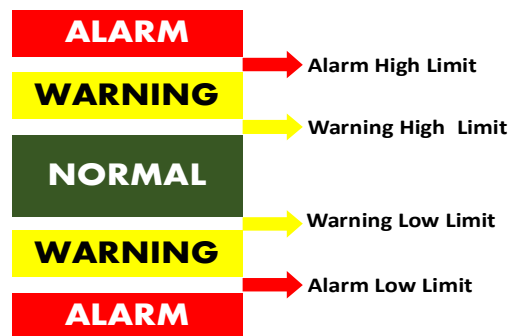
EXPANDABILITY

Sensplorer has a modularly expandable design protecting the current investment. The expansion size depends on the type of Sensplorer base module used

www.sensplorer.com

- **Measures and monitors the voltage of each of the 3 phases separately**
- **Provides instant monitoring of the quality and interruptions of mains electricity**
- **Use it to monitor whether the diesel generator normally starts up when mains power fails and stops when mains available**
- **User defined name, limits and hysteresis**

The **Sensplorer 3-Phase Voltage Monitoring Module,** monitors 3-Phase power lines. In general, it is used to monitor mains electricity, diesel generator sets and UPS outputs.

It continuously measures the RMS value of three phases and compares with the assignd limits. It activates the assigned rules in case of any limit exceed

It is connected to CAN bus of all types of Sensplorer Base Modules by using CAT5 / 6 UTP cable. The module receives its energy via this UTP connection, no seperate power supply is required.

The maximum length of CAN bus can be extended up to 200 meters.However power injection module may be required depending on CAN bus length and the number of CAN modules.

If the sensor value goes out of the range defined by the system admininistrator;

- *Users sensor assigned, "if defined", receive e-mail, SMS, phone call*
- *Sensplorer dashboard shows the status change on dashboard*
- *SNMP / Syslog servers ,"if defined", receives the traps/messages*
- *SCADA or BMS systems, ,"if defined", receives the traps/messages*
- *Sensplorer runs the specific rule(s) defined in case of this particular event*
- *All events and sensor's values are stored in the sensor history database for logging or reporting purpose in the future*

Technical Specifications

3-Pase Voltage Monitoring Module

Power	: 12V DC , max. 5 W
Working Temp.	: 0 °C / +70 °C
Storage Temp	: -40 °C / +85 °C
Installation	: DIN Rail
Dimension (W*L*D)	: 158 x 86 x 60 mm

Voltage Sensor

Measurement range	: 90-270 VAC RMS
Accuracy	: ±3 VAC @ 25 °C
Resolution	: 0.1 V
Meas. duration	: max. 3 seconds

Relay Output

Max working Voltages	: 30V DC or 250V AC
NO (normally open) side	:
± maks. 5A@AC / 1A@DC	
NC (normally closed) side	:
± maks. 2A@AC / 1A@DC	

Sample Sensplorer installation with CAN Modules

Sensplorer X/M/S/v3.0 Base Module

**CAN Modular
Expansion Bus (UTP)**

Sensplorer CAN Expansion Modules

- 16-port Sensor Hub
- GSM Modem
- Temperature & Humidity
- Flooding / Water Leak
- 2-Port Dry Contact
- 16-Port Dry Contact
- 3-Phase Voltage
- 8-port Relay
- RS-485 Modbus RTU
- RS-232 Modbus TRU
- 12-port Digital Input
- AC Fuse Monitoring

SENSPLORER ALWAYS LETS YOU KNOW WHAT'S GOING ON

Sensplorer sends message to the assigned people to let them know a status change occurred

Users can request the current state of sensors whenever they want to know

All these assignments are completely customizable and easy to use

GOING GREEN

Sensplorer helps you to run an environmentally conscious operation

Please let us know about your requests, questions, comments and suggestions...

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Resitpaşa mah.Katar cad. İTÜ ARI-1
Teknokent No:2/5/4
34467 SARIYER
ISTANBUL-TURKEY
www.meg.com.tr

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