



Innovative Electronics for a changing World

3 PHASE AC VOLTAGE MONITOR



1. SYSTEM DESCRIPTION
2. SYSTEM CONNECTIONS
3. HOME PAGE
4. STATUS PAGE
5. NETWORK CONFIGURATION PAGE
6. OID TABLE
7. SNMP screenshots
8. Physical dimensions and weight

1. System description:

The Mi **Ethernet 3 phase AC monitor** monitors the voltage of each phase of a 3 phase electrical power supply.

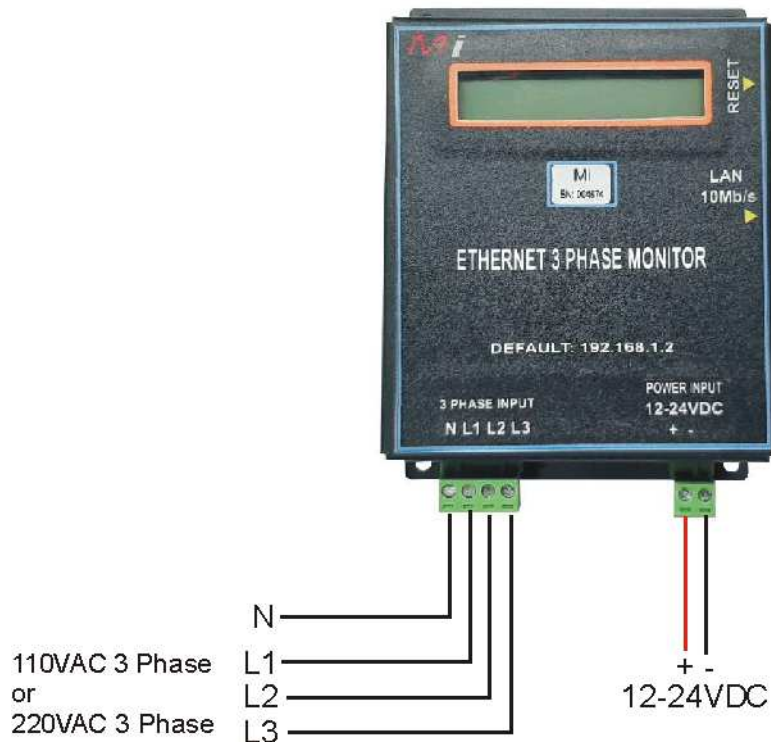
The system is powered by 12V or 24V DC normally via battery back up to be able to still report to the monitoring software about power outages.

The system can monitor 110V up to 220VAC Three phase electrical power supplies.

The voltage of each phase is monitored and available on the embedded web pages and in SNMP.

Compatible with Mi SNMP monitor or any other SNMP monitoring software.

2. System connections:



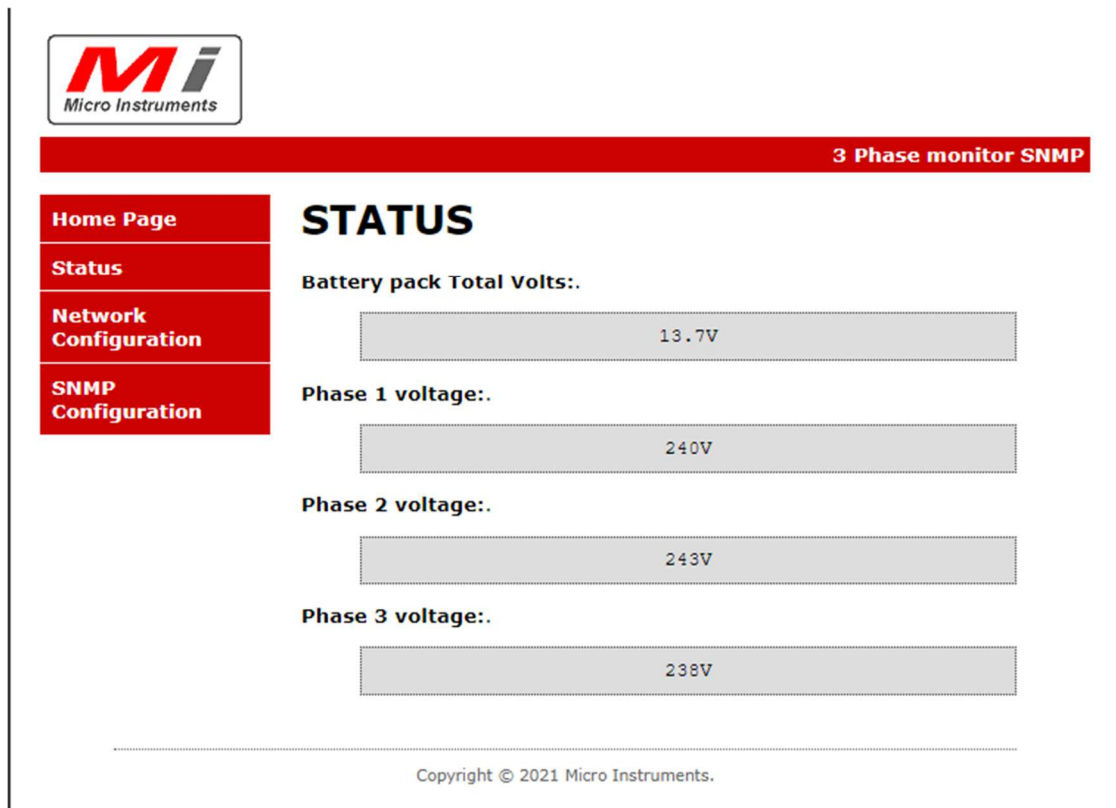
3. Home Page / Battery supply voltage is displayed

The screenshot displays the 'Home Page' of the '3 Phase monitor SNMP'. The page features the 'Mi Micro Instruments' logo in the top left. A red navigation bar contains the title '3 Phase monitor SNMP'. Below this, a sidebar on the left lists menu items: 'Home Page', 'Status', 'Network Configuration', and 'SNMP Configuration'. The main content area is titled '3 Phase monitor' and displays the following information:

- Stack Version:** v5.36
- Build Date:** Mar 01 2021 serial # Mi-00001
- Module Heartbeat:** Indicated by a green dot.
- Battery Voltage:** 13.7V

At the bottom of the page, a copyright notice reads: 'Copyright © 2021 Micro Instruments.'

4. **Status page** / Indicates the battery supply voltage and the voltage of each of the 3 power phase's

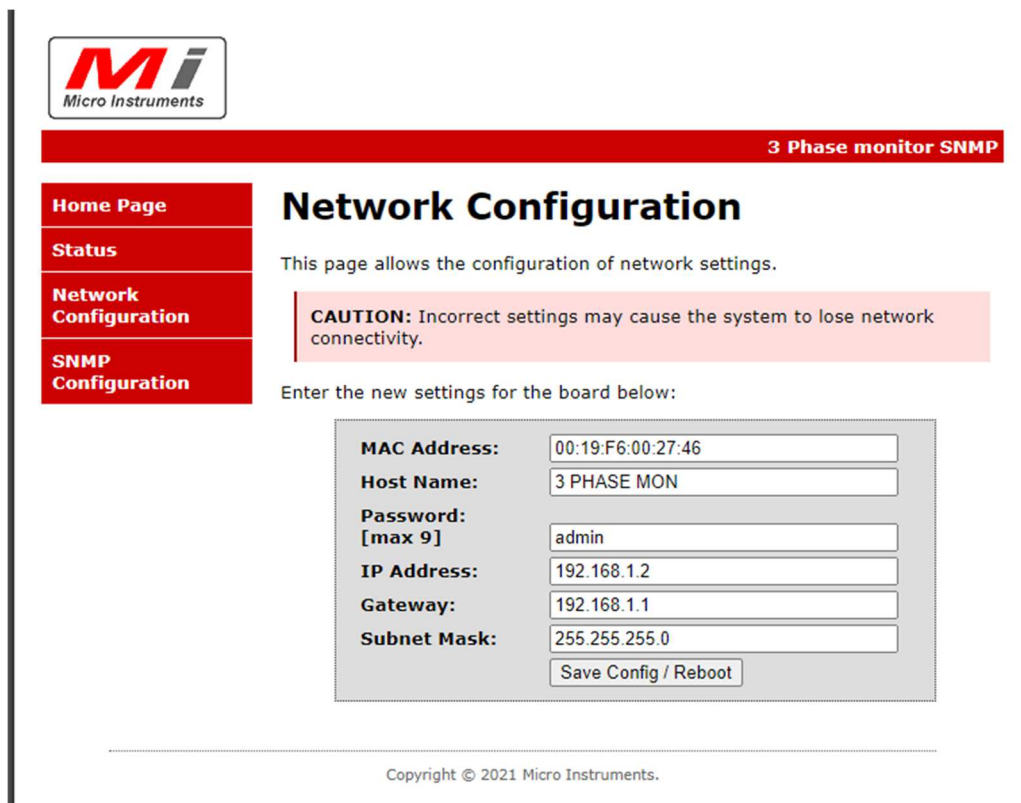


The screenshot shows the 'STATUS' page of the 3 Phase monitor SNMP. On the left is a navigation menu with 'Home Page', 'Status', 'Network Configuration', and 'SNMP Configuration'. The main content area displays the following information:

- Battery pack Total Volts:.** 13.7V
- Phase 1 voltage:.** 240V
- Phase 2 voltage:.** 243V
- Phase 3 voltage:.** 238V

Copyright © 2021 Micro Instruments.

5. **Network page** / IP address can be configured here



The screenshot shows the 'Network Configuration' page of the 3 Phase monitor SNMP. On the left is a navigation menu with 'Home Page', 'Status', 'Network Configuration', and 'SNMP Configuration'. The main content area displays the following information:

- Network Configuration**
- This page allows the configuration of network settings.
- CAUTION:** Incorrect settings may cause the system to lose network connectivity.
- Enter the new settings for the board below:
- MAC Address:** 00:19:F6:00:27:46
- Host Name:** 3 PHASE MON
- Password:** [max 9] admin
- IP Address:** 192.168.1.2
- Gateway:** 192.168.1.1
- Subnet Mask:** 255.255.255.0
- Save Config / Reboot

Copyright © 2021 Micro Instruments.

6. OID Table

1.3.6.1.4.1.45501.1.3.1.0 – Phase 1 AC voltage

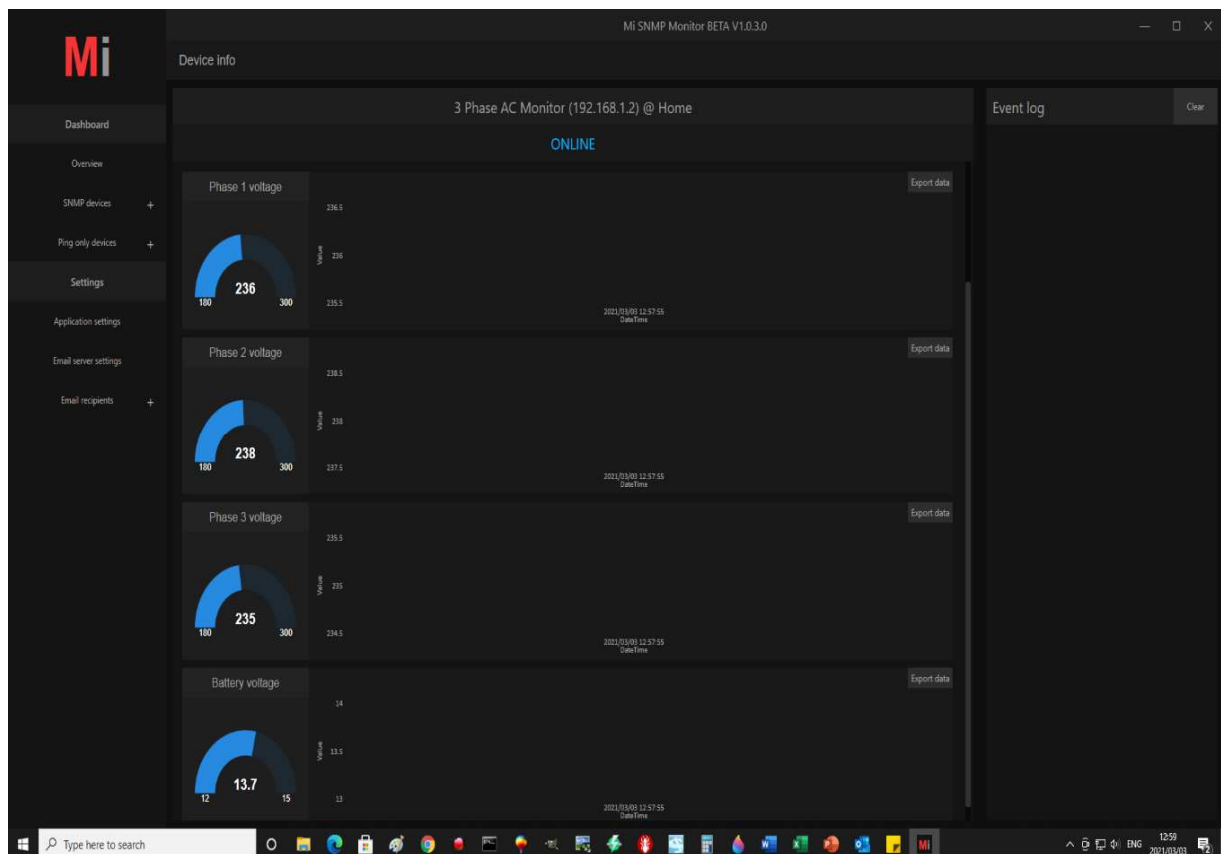
1.3.6.1.4.1.45501.1.3.2.0 – Phase 2 AC voltage

1.3.6.1.4.1.45501.1.3.3.0 – Phase 3 AC voltage

1.3.6.1.4.1.45501.1.3.4.0 – **Reserved

1.3.6.1.4.1.45501.1.3.5.0 – Battery supply voltage (12-24VDC)

7. SNMP screenshots – Mi SNMP Monitor screenshot



Reasoning screenshot

Result Table				
Name/OID	Value	Type	IP:Port	
.1.3.6.1.2.1.1.1.0	3 Phase monitor	OctetString	192.168.1.2...	
.1.3.6.1.2.1.1.2.0	.1.3.6.1.4.1.45501	OID	192.168.1.2...	
.1.3.6.1.2.1.1.3.0	18 minutes 42 seconds (112242)	TimeTicks	192.168.1.2...	
.1.3.6.1.2.1.1.4.0	admin	OctetString	192.168.1.2...	
.1.3.6.1.2.1.1.5.0	Micro Instruments	OctetString	192.168.1.2...	
.1.3.6.1.2.1.1.6.0	Remote	OctetString	192.168.1.2...	
.1.3.6.1.2.1.1.7.0	4	Integer	192.168.1.2...	
.1.3.6.1.4.1.45501.1.1.1.0	SNMPv1/2Agent	OctetString	192.168.1.2...	
.1.3.6.1.4.1.45501.1.1.2.0	V1	OctetString	192.168.1.2...	
.1.3.6.1.4.1.45501.1.1.3.0	June 15	OctetString	192.168.1.2...	
.1.3.6.1.4.1.45501.1.2.1.1.1.0	0	Integer	192.168.1.2...	
.1.3.6.1.4.1.45501.1.2.1.1.1.1	1	Integer	192.168.1.2...	
.1.3.6.1.4.1.45501.1.2.1.1.2.0	0	Integer	192.168.1.2...	
.1.3.6.1.4.1.45501.1.2.1.1.2.1	0	Integer	192.168.1.2...	
.1.3.6.1.4.1.45501.1.2.1.1.3.0	0.0.0.0	IpAddress	192.168.1.2...	
.1.3.6.1.4.1.45501.1.2.1.1.3.1	0.0.0.0	IpAddress	192.168.1.2...	
.1.3.6.1.4.1.45501.1.2.1.1.4.0		OctetString	192.168.1.2...	
.1.3.6.1.4.1.45501.1.2.1.1.4.1		OctetString	192.168.1.2...	
.1.3.6.1.4.1.45501.1.3.1.0	241	OctetString	192.168.1.2...	
.1.3.6.1.4.1.45501.1.3.2.0	243	OctetString	192.168.1.2...	
.1.3.6.1.4.1.45501.1.3.3.0	239	OctetString	192.168.1.2...	
.1.3.6.1.4.1.45501.1.3.5.0	13.7	OctetString	192.168.1.2...	

8. Physical dimensions

L = 135mm

W = 100mm

H = 38mm

Weight = 0.65Kg