



Micro Instruments price list

All pricing excludes VAT @ 15% - 2019

Pricing subjected to change -R\$ exchange

**Product**

**Description**

**Cost**

**Optional extras**

**Cost**

**REMOTE MONITORING PRODUCTS**

**Solar Monitor -New**



**Remote Solar monitor**

Works with any existing Solar regulator on 12V to 24V systems  
 Ethernet port with Embedded web pages and SNMP support for remote monitoring of parameters  
 Monitors Solar panel input current , battery charging current Load current, Battery voltage 12V or 24V, Temperature and output to a 5 way external relay board to control via web page

**Cost**

**R1 849.00**

**Optional extras**

Mi SNMP Monitor

**FREE**

Windows monitoring software

5 Way Relay board

**R360.00**



**Solar Smart R1**



**Solar MPPT regulator 12/24V - 20Amp with:**

Ethernet + SNMP support for remote monitoring with embedded web pages  
 MAX input from PV: 50VDC  
 Alarm input  
 Internal hall effect isolated current sensors  
 Output for 5 way relay board,control relays via web page  
 Output for Solar Smart GSM module to get SMS messages and control relays via SMS

**Cost**

**R2 799.00**

**Optional extras**

Mi SNMP Monitor

**FREE**

Windows monitoring software

5 Way Relay board

**R360.00**



Solar Smart GSM module

**R1 265.00**



**NPM-R10-Lite-New**



**Network Power monitor - remotely monitors:**

Ethernet Port with SNMP support for remote monitoring with embedded web pages , **No LCD Display**  
 Mains AC , Battery voltages(12V to 24V only) , Load and Charge Currents , Temperature , Alarm input  
 Internal 50 Amp hall effect current sensors  
 I/O Output for 5 way Relay board

**Cost**

**R1 849.00**

**Optional extras**

Mi SNMP Monitor

**FREE**

Windows monitoring software

5 Way Relay board

**R360.00**



**NO GSM module interface**



### NPM-R10



**Network Power monitor - remotely monitors:**  
 Ethernet Port with SNMP support for remote monitoring with embedded web pages , Local LCD Display  
 Mains AC , Battery voltages(12V to 48V) , Load and Charge Currents , Temperature , Alarm input  
 Internal 50 Amp hall effect current sensors  
 Output for 5 way Relay board and NPM-GSM interface  
 Receive notifications via SMS - control relay via SMS

**Cost**

**R2 165.00**

**Optional extras**

Mi SNMP Monitor

**Cost**

**FREE**

Windows monitoring software



5 Way Relay board

**R360.00**



NPM-GSM module

**R1 265.00**

### NPM-R10-ISO



**Network Power monitor - remotely monitors:**  
 Ethernet Port with SNMP support for remote monitoring with embedded web pages  
**Mains AC power with ISOLATED external sensor**  
 Battery voltages(12V to 48V) , Load and Charge Currents , Temperature , Alarm input  
 Internal 50Amp hall effect current sensors  
 Output for 5 way Relay board and NPM-GSM interface  
 Receive notifications via SMS - control relay via SMS

**Cost**

**R2 445.00**

**Optional extras**

Mi SNMP Monitor

**Cost**

**FREE**

Windows monitoring software



5 Way Relay board

**R360.00**



NPM-GSM module

**R1 265.00**

### NPM-R10 - RM (19" Rack mount)



**Network Power monitor - remotely monitors:**  
 Ethernet Port with SNMP support for remote monitoring with embedded web pages  
 Mains AC , Battery voltages (12V to 48V), Load and Charge Temperature , Alarm input  
**Build in 5 Way relay board**  
 Internal 50Amp hall effect current sensors  
 output for NPM-GSM module  
 Receive notifications via SMS - control relay via SMS  
 if optional GSM module installed

**Cost**

**R2 599.00**

**Optional extras**

Mi SNMP Monitor

**Cost**

**FREE**

Windows monitoring software



NPM-GSM module

**R1 265.00**







### DC-DC Step down converter 24-20



Constant voltage step down converter  
 Input 22-30 VDC - **output 20V constant**  
 24V to 20V constant @ 100W  
 Ideal to power low power radios with constant voltage  
 at 20VDC from a fluctuating 24V battery system

Cost	Optional extras	Cost	
R545.00			

### DC-DC Step down converter 24-12



**DC-DC step down converter**  
 Constant voltage step down converter  
 Input 15-30 VDC - **output 12V constant**  
 24V to 12V constant @ 100W  
 Ideal to power routers and other 12V equipment from a  
 24VDC Battery system

Cost	Optional extras	Cost	
R545.00			

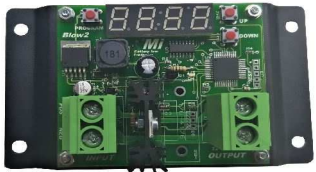
### Battery Low voltage protector



Battery low voltage protector **BLOW 1**  
 Protect Batteries from deep level discharge  
**Auto 12V / 24V** Battery protector -15Amp current  
 Set disconnect and re-connect voltage via DIP switch on pcb

Cost	Optional extras	Cost	
R515.00			

### Battery Low Voltage protector with Display



Battery low voltage protector **BLOW 2**  
 Programmable battery low cut-off voltage  
 Automatically detects 12V/24V battery systems  
 Mosfet Power switch - 20AMP continuous  
**Blow 2 +** can handle 40Amp continuous  
 Large 16mm input and output terminals

Cost	Optional extras	Cost	
R820.00			

### AB 80 LED MAST LIGHT



**LED MAST LIGHT for towers**  
 Alluminium + tempered glass outdoor housing  
 10-32 VDC supply voltage - 100 milli-amp current

Cost	Optional extras	Cost	
R2 140.00			











### 4-20mA wireless link



#### Wireless 4-20mA radio link+ digital -Long range

Wireless 4-20mA transmitter set - 868Mhz -LORA  
 Wirelessly transmits a 4-20mA analogue signal + 1 digital  
 Each unit have 1 x Digital input and one Relay output  
 24VDC power supply , c/w 3m Antenna cable LMR195  
 LORA 868Mhz radios c/w Omni directional 868Mhz antennas  
 Metal enclosures - non waterproof

Cost

**R6 500.00**

Optional extras	Cost	

### Wireless Digital link



#### Wireless Digital link - long range

Wireless digital transmitter set - 868Mhz -LORA  
 Each unit have 1 x Digital input and one Relay output  
 24VDC power supply ,c/w 3m Antenna cable LMR195  
 LORA 868Mhz radios c/w Omni directional 868Mhz antennas  
 Metal enclosures - non waterproof

Cost

**R4 800.00**

Optional extras	Cost	

### Mi-SNMP Monitor for Windows



#### Windows SNMP monitoring software

Mi-SNMP Manager for Windows  
 Graphing of voltages and currents  
 SNMP monitoring of all Mi SNMP products  
 Email alerts and alarms to user  
 Easy to operate SNMP manager software

Cost

**FREE \*\*\*\*\***

Optional extras	Cost	

Download from [www.microinstruments.co.za](http://www.microinstruments.co.za)