TECHNICAL DATASHEET

Bargraph Controller

① Product Specifications

Model: BR-1000DR
Manufacturer: Maham Instrumentation
Weight: 318g
Diemensions(W/D/H): 77 / 88 / 144 mm
Power Supply: 24 VDC
Input: 4-20 mA
Output: 2 relays adjustable

② Product features

- Colored columns to show value from 0 to 100%
- two output relays
- Numerical display
- Change the setting value using by turning volume
- One-year warranty for the product
- Protect the reverse polarity voltage
- User friendly
- For all 4-20mA Transmitter
- Customizable to customer needs
- Detect sensor out-of-range(below 4 or upper 20mA) by activating both relays simultaneously

③ Device components

PV bar graph: A column display showing 0 to 100 percent of the sensor value.

SP bar graph: A column display showing 0 to 100 percent of the set value for the two relays.

PV segment: Display 0 to 100 percent of sensor value

SP segment: display 0 to 100 percent of the set value

LED Power: The device is on

LED Rly1: LED showing the Status of relay 1

LED Rly2: LED showing the Status of relay 2

Set1: set value Relay 1

Set2: set value Relay 2

Turning volume: By turning that setting value change and with Press that setting value to save and return to main menu

④ Operation Instructions

First, connect the **24V** power supply to the Power terminal. Then, connect the **4–20 mA** signal to the **"IN1"** terminal. Next, use the **Set1** and **Set2** buttons to configure the desire value for the relays. Save and confirm the settings by pressing the Volume button. If the current input equal & greater than the set value , the corresponding relay will be triggered.

Relay1			Relay2			IN2	IN1	Power	
NO	COM	NC	NO	COM	NC	Not used	Sensor 4-20mA input	+	−
								24VDC	