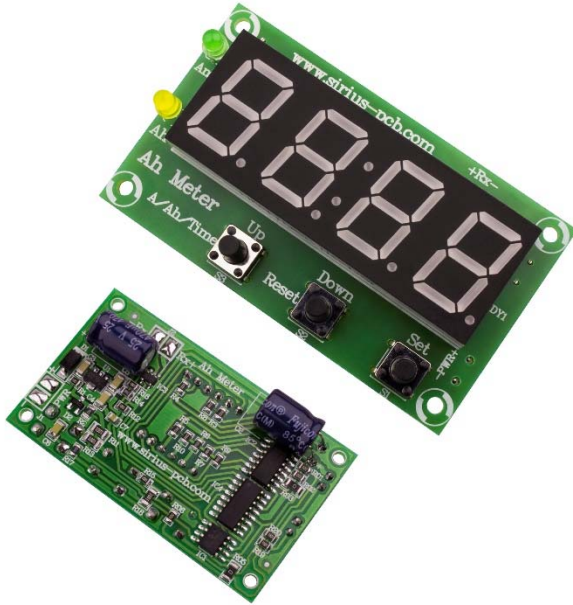




Amp Hour Meter

Ah Meter

№100885



The device is based on contemporary microcontroller and is applicable for measurements of electric current (A) and electricity (Ah). Ah Meter is commonly used in electrochemical systems such as galvanization, battery capacity measurement and etc.

Ah Meter basic specifications:

- Measurements of electric current: 1 ÷ 2000A DC (depending on the shunt selected)
- Accuracy:
 - Measured current: ±1%
 - Time: ±1%
- Shunt Resistor Type: **60mV or 75mV**
- Non-volatile memory for keeping:
 - Shunt Resistor Type
 - Shunt Resistor Current Rating
 - Electric charge (Ah)
 - Time (HH:MM)
- Display: 4-digit 7-segment LED display
- Supply Voltage: 8 ÷ 18V DC/100mA
- PCB Size: 60 x 36mm

Description

- Measuring device for measuring electric charge (ampere hour), current (ampere), time (HH:MM)
- Terminal Block J1 (PWR)

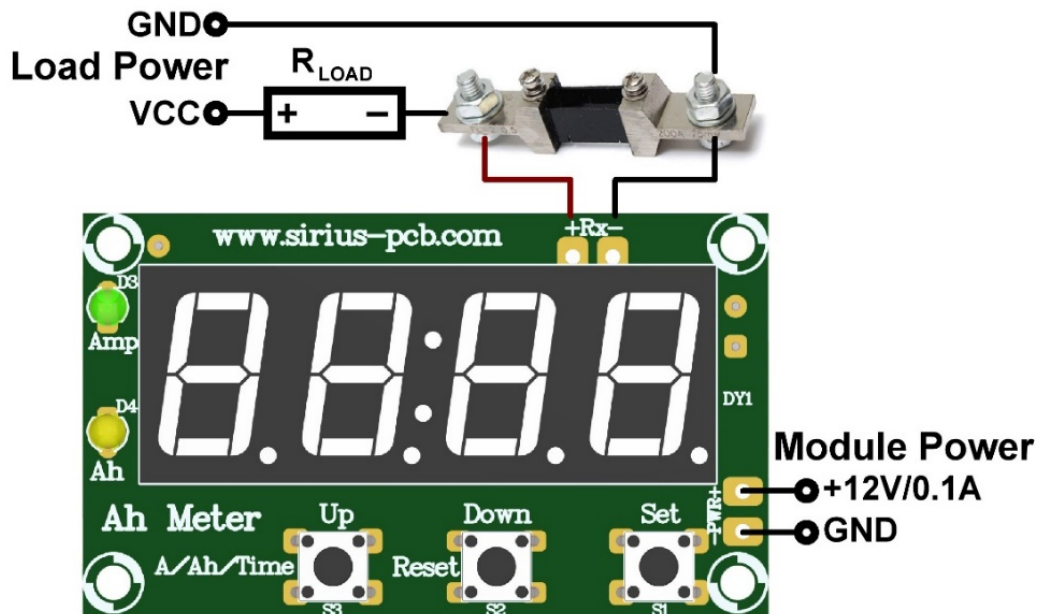
Signalling:

- LED D3(green) – turns on when current (A) is measured
- LED D4(yellow) – turns on when electric charge (Ah) is measured









Buttons:

- S1 (Set) – login to the settings menu
- S2(Down) (Reset) – decrease a specific value / resetting electric charge and time index
- S3(Up) (A/Ah/Time) – increase a specific value / switch to next display from main menu

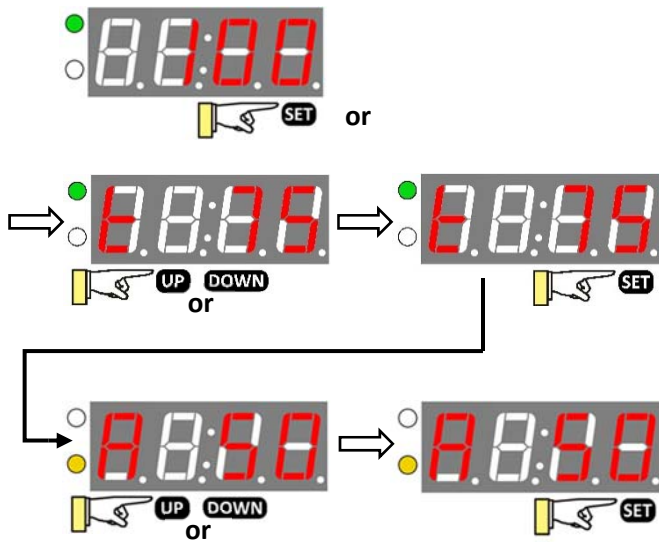
Device Wiring Diagram



1. Main screen

		Measured Current (A)
		Measured electric charge (Ah)
		Time passed (HH:MM) and electric charge (Ah) (Changes in 3 sec)
		

2. Setting parameters:



4. Changing parameters

- When shortly pushed – increases/decreases by 1A
- When held – increases/decreases by 1A per 100ms
- When held for more than 3 seconds – increases/decreases by 100A per second
- If a button is not held for more than 3 seconds, it leaves the settings menu automatically

3. Buttons functions

Set	Login to settings menu when button is held; Switches to next menu when button is quickly pushed.
Reset	Resets electric charge Ah (amp-hour) and time settings if held
A/Ah/Time	Switches to next menu when button is quickly pushed (shown in paragraph 1)

Set button is held for 3 seconds when one of device's main displays (A, Ah or Time) is active

Choose shunt resistor type

Up – 75mV, Down – 65mV

Set current for shunt resistor:

From 1A up to 2000A