TRIPLETT

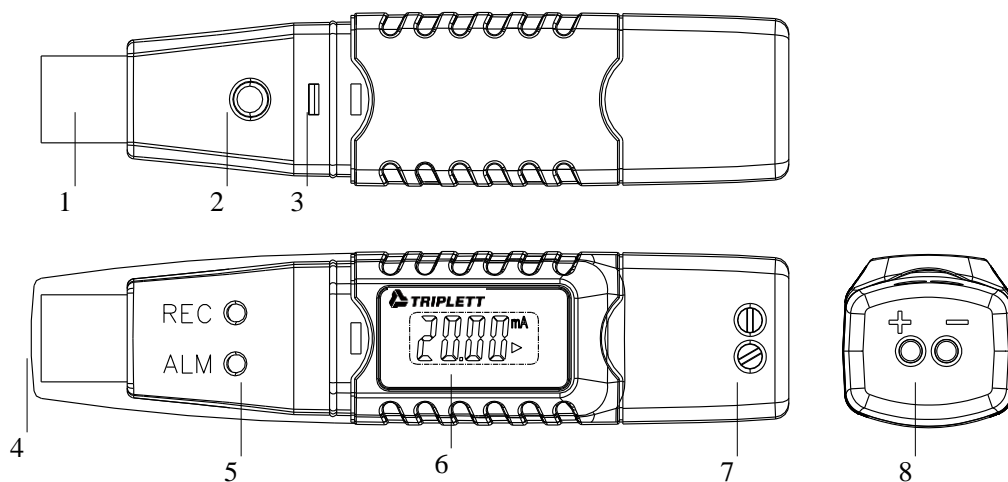# ADL20
DC Current Datalogger (4 to 20mA)

1.Product overview
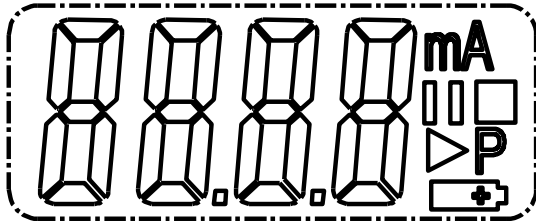

① USB connection plug
② Key
③ Case buckle
④ Protective cap
⑤ Red and green LED control light

⑥ LCD

⑦ Measuring wire set screw

⑧ Measuring wire ports

2.LCD indicators

The current state of the recording is indicated by the following symbols:
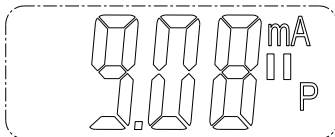

mA is current unit

‖‖ Waiting to press the button to start

▷ Recording started

☐ Recording stopped

P̄ This indicated that the device is configured, and recording is not started. It will disappear as soon as the logger is recording data.

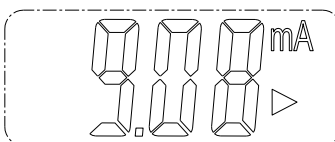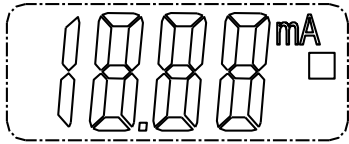▭ Low power indicator

State 1:

‖‖　The logger is in the "Manual (Start upon key press)" mode, but the start key has not been pressed yet.
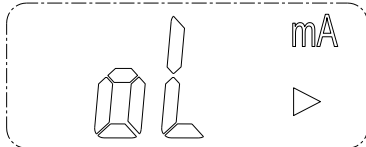
State 3：

▷　The logger is recording.

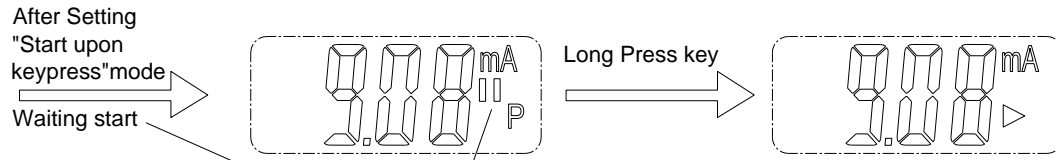**State 4:**

☐　　Recording is stopped.

OL sign:

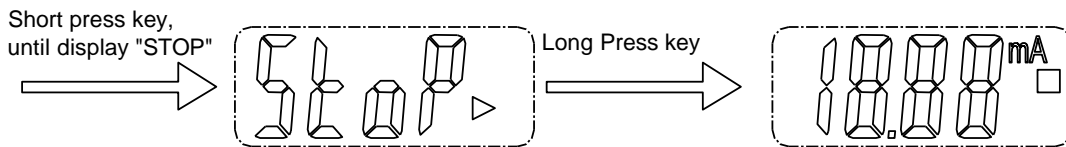Measurement error or measured values beyond the range.

2.Start Recording

This page is available if the logger is in "Start at key press" mode.

After Setting "Start upon keypress"mode → Waiting start
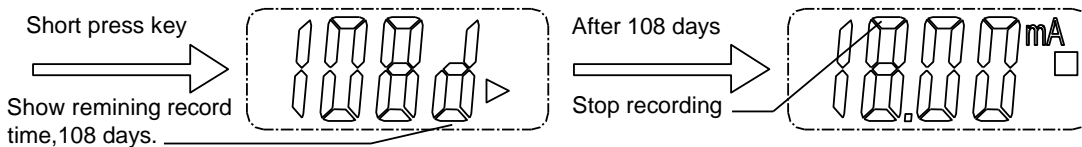

Long Press key →

3.Stop Recording

Select this function to stop recording if the logger is programmed for manual stop. Press and hold the button for three seconds to terminate recording.

Short press key, until display "STOP" →

Long Press key →

4.Remaining Recording Time

Shows the remaining time until end of recording.

Short press key → Show remining record time,8.6 hours.

After 8.6 hours → Stop recording

Short press key → Show remining record time,108 days.

After 108 days → Stop recording

5.Firmware upgrade

Short press key, until display "up" → [display "uP"] → Long press key → Firmware upgrade: connect to PC, copy the firmware file to the logger disk, waitting 2 minutes. [display "USb"]
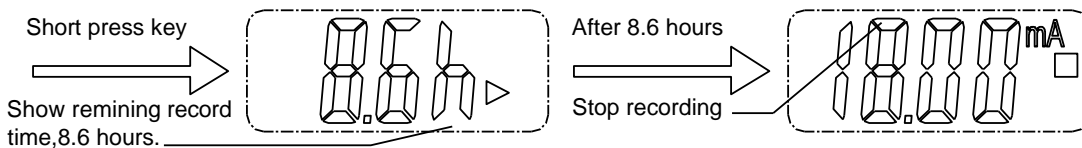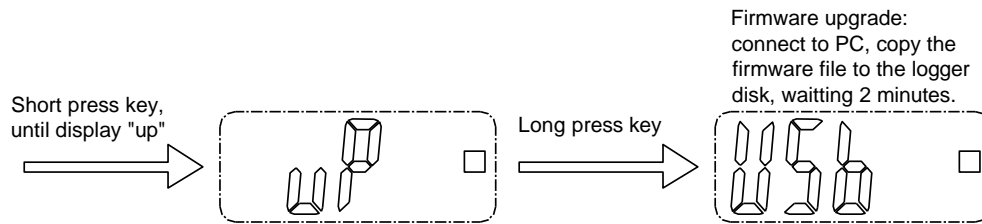
Then insert the device into the PC USB port. The device will appear as a Mass Storage Device in PC with no content. Drag and drop the firmware to the folder. The device will disappear in the OS. DO NOT unplug the device from PC. After upgrade completed, Device will automatically appear as a Mass Storage Device again. The firmware version is indicated in the left bottom corner of the ".pdf" test report generated.

6.Generating a PDF-File

As soon as the logger is connected to a USB-slot, a PDF file with all recorded data in chart and an overview of alarms is generated automatically. The red led indicator lights up during PDF generation.

Depending on the number of stored measurements, generating the PDF-file might take up to 60 seconds.

As soon as the logger is reprogrammed, the PDF file on the logger will be deleted.

7.LED Status Guide

LED Indication	Action
Cycle green single flash	-Logging
Cycle red single flash	-Logging, low alarm or high alarm.
	-Manual mode waiting start
	-Memory full
	-Stop upon stop time
	-Stop upon key
Green double flash one time	-Setup successful
	-check upgrade file successful

8.Specification

DC Current DataLogger	Range	20.00mA（DC Current DataLogger）
	Resolution	0.01
	Accuracy	0.5%reading+3
Logging rate	1second—24h	
Display refresh rate	2seconds (after the key operation, within 5minutes). Default 30 seconds.	

Memory	31320
Operating Environment	0 to 50 ℃(32 to 104 ℉) <80%RH
Storage Environment	-10 to 60 ℃(14 to 140℉) <70%RH
Battery type	LS14250
*Accuracy: test at 23±5℃.	

Sample Rate	Record Time	Sample Rate	Record Time
1second	8.7hour	20second	7.2day
2second	17.4hour	30second	10.8day
3second	26.1hour	1minutes	21.7day
4second	34.8hour	5minutes	108.7day
5second	43.5hour	15minutes	326.2day
10second	87.0hour	30minutes	652.5day

9.Replace Battery

Battery Type: 3.6V 14250 lithium battery