

SD Card User manual for tds-100 Series Ultrasonic flow meter

Introduction

SDUSB Memory is a customary chosen peripheral specifically for TDS series of Ultrasonic Flow meter. SDUSB will automatically record data outputted by the flow meter through the internal BUS of the flow meter.

A file named PRINT.TXT will be created automatically by the MCU of the device. If a file with such name already exists, the MCU will not overwrite it. Instead it will append the new data entries to the existing file. Therefore, in order to make the most out of the storage space, the user must delete the older PRINT.TXT by using a computer.

Check if the red LED light (see actual image) is lit to make sure the SD flash card is inserted properly into the socket. To avoid SD card falling out of the card socket, tape the SD card to the IC board.

The SDBUS uses the 3.3VDC power from the flow meter. No extra power supply is needed.

If a thermo printer is already on the SerBUS, use a power switch to turn off the printer, to avoid of printing out all the data send to the SDUSB storage.

Pin Description

Pin	Name	Description
1	VCC	3.6V
2	GND	Ground
3	NC	Not connected
4	Data	Data Input

LED Light

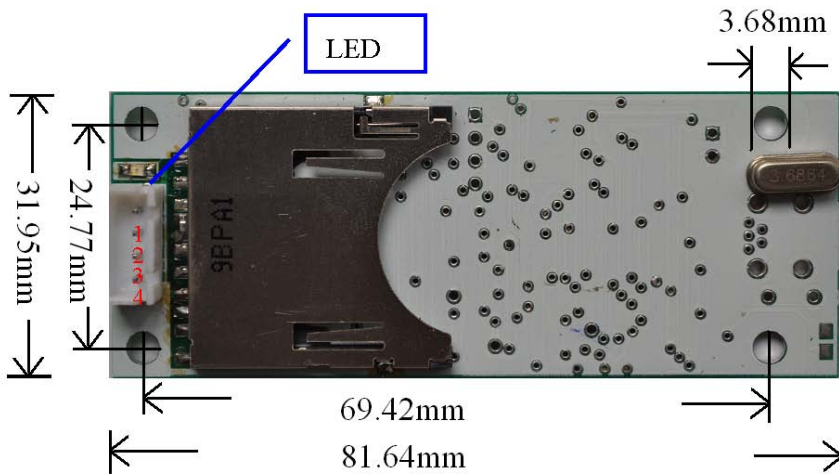
Status	LED Status
Working normally	Blink, ON for 0.2second, OFF for 0.8second
Saving Data	ON for 1 second
Abnormal	Always ON , Check if the SD is in FAT32

Flow meter Setting

In order for the SD card storage device to work properly, the flow meter must be set with the following parameters:

1. Use Menu M50 to select the type of data to be stored
2. Use Menu M51 to select the start time, storing interval and times. Input “**.*.*” on the Start Time for start instantly. Enter 9999 as the storing times means the flow meter will output data indefinitely.
3. In Menu M52, the option “Send Data To Internal SerBus” must be selected.

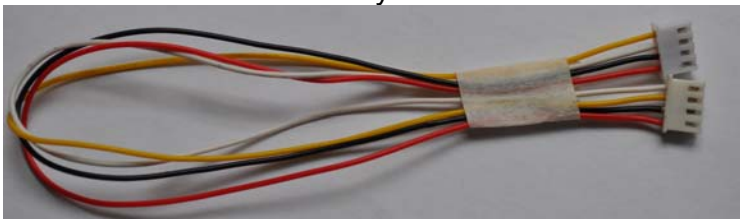
Actual Image and Dimensions



尺寸：81.64x31.95x10.64mm Dimension: 81.64x31.95x10.64mm

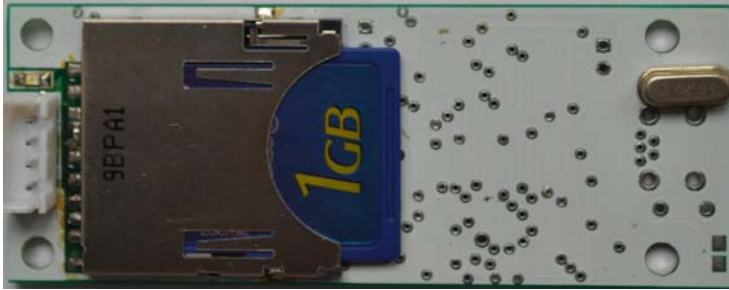
List of Items

- 1 1. SD USB Card
- 2 2. 1 GB SD Flash Memory
- 3 3. Triple-core Cable
- 4 4. SD Flash Memory Card Reader



Connector Cable

Correct Usage



Incorrect Usage

