Small and reliable
The FDS-TP printer is the cost effective solution for printing all timing data

The FDS-TP Printer is the ideal option for timekeeping, designed specifically to meet demanding environments and to be the perfect companion to the FDS Timing TBox.
With printing speeds of up to 90mm/sec. it exceeds many requirements during a timing session.
The High-Performance Li-Ion battery allows non-stop printing for up to 2 days.
Its micro size and light weight (134 g) makes it easy to store and transport.

Notice:

1. For protection during shipping an insulating tape protects the Li-ion Battery.
2. Prior to first use and charge please remove the insulating tape.
3. To power on the printer: press the ON power button for 3 seconds.
4. The correct paper loading method is mentioned later in the manual.
5. With a fully charged battery the autonomy is approximately 120 units of Thermal Paper (58x30mm). Standby time is 2-3 days.
6. Rechargeable batteries contain harmful metals, so should never be thrown away with daily rubbish, they should be returned to manufacturer for disposal or recycled elsewhere.

Features:

- Very economical priced
- Thermal paper - 58mm wide
- High speed printing
- Li-Ion battery
- Stand-by and auto wake-up up to preserve the battery
- Small and lightweight, reliable and easy to integrate
- User's manual
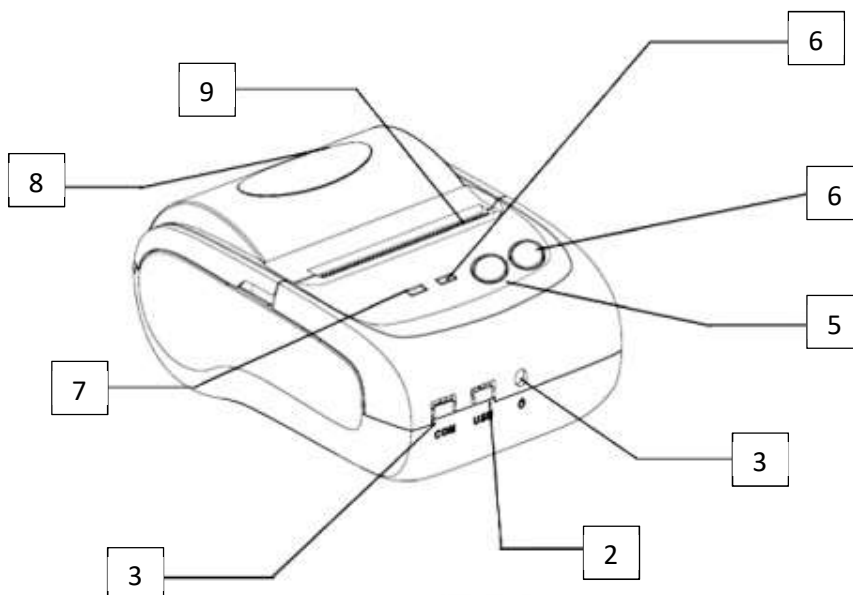
1.   Notes of safety

This section presents important information intended to ensure safety and effective use of the printer. Please read carefully before first use.

- Be sure to use the specified battery and power source provided by our company. Connection to an improper power source may cause fire, explosion or damage to the printer.
- Do not expose battery to excessive physical shock, vibration, or liquids.
- Do not disassemble, attempt to repair or deform the battery.
- Do not dispose of battery pack in a fire.
- Do not touch the terminals of the battery, or cause a short between the terminals with a metal object.
- Do not peel or damage the battery label.
- Do Not open the paper cover when it is printing or recently finished printing, do not touch the print head with hand or body, overheat may cause burns.

2.   Notes on using

- Do not store the printer in hot and humid conditions.
- Keep your batteries at room temperature and avoid completely discharging lithium-ion batteries or leaving discharged for prolonged periods of time.
- The printer's power adapter is to be connected to a stable power 110-220 Volts.
- Avoid water or conductive material (for example: metal). If water is present on the surface please turn off the power immediately.
- Please ensure that a thermal paper roll is always inserted in the printer to avoid damaging the printing roller and the printer head.
- Please ensure that your printer is serviced and repaired by a qualified technician. No responsibility is taken for misuse.
- The power adapter that comes with the printer is specifically designed to be only used with the printer, please do not use an alternative power adapter other than the 9V-2A supplied with the printer.
- In order to ensure print quality and longevity of your printer, please ensure that only good quality thermal paper rolls are used.
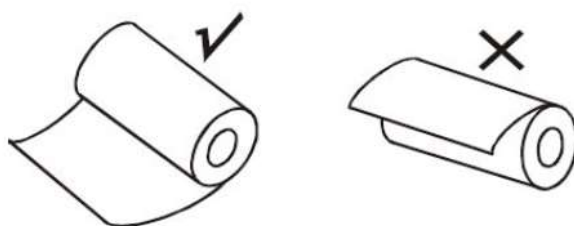
3. Appearance

1	COM Port (RS232)	
2	USB Port	
3	Power plug	
4	Power button	
5	Feed button	
6	Power indicator	
7	Charge indicator	
8	Paper house (58x30mm)	
9	Jagged saw	

4. Paper installation

Paper roll diameter: max 40mm
Thermal paper installation method is as follows:
  a) Open the printer top cover
  b) Ensure the correct orientation of the thermal paper roll before inserting into the storage area

  c) Pull out a little of the paper outside printer, then close the top cover
  d) Use paper cutter to remove any excess paper

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TIMING SOLUTIONS

5. Button Operating Instructions

POWER (Blue LED)	FEED (Red Led)	Printer Status
OFF	OFF	Printer Off
ON (Always)	OFF	Printer On, paper is present but lid is open
ON (Always)	Flash	Printer On, no paper present and lid is open
ON (Always)	ON (Always)	Printer has paper and ready
Under the normal working status, the paper feeding begins when you press « FEED » button, and stop when you release « FEED » button		The printer paper feed
Power off the printer, then hold down the « FEED » button and press the power button at the same time. Wait 2 seconds, then release the « FEED » button, the current setting will be printed out.		Printer self test
Power off the printer, then hold down the « FEED » button and press the power button at the same time. Wait until the power indicator & « ERROR » led are both on, and the « ERROR » led goes out, then « ERROR » button The density setting status, will then be printed out (it has three levels for the printing density), the current density status is indicated (Low – Middle – High)		Set printing density

6. Specification

Printer Method:	Direct Thermal
Speed:	< 90mm / sec
Reliability:	TPH Life 100km
Resolution:	203 DPI
Paper Width:	58+/- 1mm
Roll Diameter:	< 40mm
Power :	Rechargeable lithium battery
Battery:	8.4 VDC 1500 mAh
Charging mode:	DC 9V/1.5 A
Interface:	Standard RS232/USB, Bluetooth 4.0
Working temperature:	-10 to 50°C
Size:	102x78x45mm
Weight:	134 g

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