



Portable Printer STM001



The majority of the portable devices manufactured by **BEINAT S.r.l.** can be used in conjunction with a printer, in order to certify, using a slip, the result of the test performed.
The printer is mainly used to check gas detection probes, for pressure gauges and to issue the declaration of conformity. **BEINAT S.r.l.** adopted this type of thermal printer as an innovative solution compared to the systems that use an impact-based system. The elegant design, dimensions, and small weight, together with its flexibility make this printer a useful working tool.

The printer can be interfaced with **serial RS232** and **IRDA** transmission, and it is ideal to print the system control and verification report, thus self-certifying your own work.
The size and weight are extremely small.
The automatic paper-load with "six-load" system is patented. Moreover, it is complete with paper-out sensor.

Thank you for choosing the **BEINAT S.r.l.** digital tool, model **STM001**.
This manual was designed to help you obtain the best results and efficiency from the product.

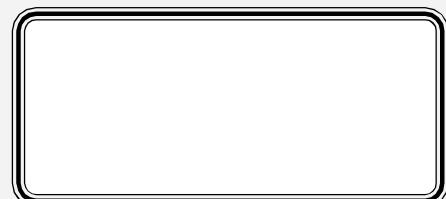
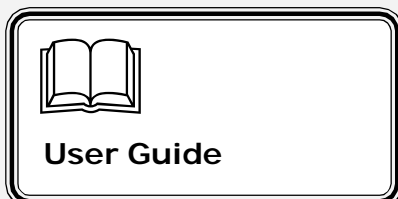


Important Note

Read these instructions carefully before use and always keep them within hands reach while using the instrument.

The illustrations and texts shown on the screens in this manual may differ from those actually displayed

The brand products **BEINAT S.r.l.** comply with European Directives ROHS 2002/95/EC, REACH 1907/2006, BATTERIES AND ACCUMULATORS 2006/66/EC RAEE 2003/96/EC



For Your Security

Read the following security precautions carefully to prevent any risk of product damage and personal injury, and thoroughly once more before using the **STM001** printer.

Keep them in a safe place so that they can be read by someone new before they use the appliance.

Turn the appliance off in case of malfunctioning.

If you detect any smoke or pungent or unusual odour from the appliance or power supply (accessory supplied), turn it off immediately, disconnect it from the mains, and send it to the nearest Service Center.

Do not try to disassemble the appliance.

Contact with internal components can cause injury. In case of faults the product must only be repaired by qualified personnel.

If the appliance is broken due to a fall or crash, contact the Service Center to repair it.

Observe due precautions while handling the batteries.

The batteries should never be exposed to high temperatures, that is, over +60°C.

In order to ensure an optimum service life, use them at environment temperature.

If used at low temperatures their service life could diminish.

Never take apart the batteries; do not throw them into fire as they could explode.

Do not dispose of the batteries as normal waste. Follow local regulations on their disposal.

Use the correct cables supplied.

To ensure product conforms to norms, only use the correct cables supplied or those marketed separately by **BEINAT S.r.l.** for terminal input/output connection.

Precautions

In order to achieve long and satisfactory use of your **STM001** printer, use and store it by respecting the following precautions.

CHECK the integrity of the printer after having removed it from the box.

Any use of the printer for purposes other than the intended one is considered improper, and as a result of which **BEINAT S.r.l.** therefore disclaims any responsibility for possible damages caused to people, animals or objects.

Do not allow it to become wet.

The printer can be seriously damaged as it is not waterproof either when immersed in water or exposed to high levels of humidity.

Do not drop it.

Heavy knocks on hard surfaces and strong vibrations can damage the appliance.

Avoid strong magnetic fields.

This printer should not be used or stored near radiation, or intense magnetic fields. Static electricity or magnetic fields generated by appliances such as radio transmitters can interfere during printing.

Avoid abrupt temperature fluctuations.

Sudden temperature variations can cause condensation and the batteries could supply a lower voltage.

Cleaning

Never clean the device with chemical products. If necessary, wash with a moist cloth.

Technical Specifications

Power supply	4,8 Vdc through the built-in batteries
Type of batteries	Rechargeable stylus AA
Consumption during printing	925 mA
Battery duration	100 m of paper
Autonomy	1h 30 min
Paper roll size	57.5 mm ± 1 mm
Paper-out sensors	Built in
Print method	Thermal 8 dot/mm
Printing mode	Straight, reverse 90°
Receive buffer	128 bytes
Flash memory	32K
Print speed	40 mm/sec
Functioning temperature	0°C ÷ +50°C
Relative humidity	10-85% without condensation
Electromagnetic compatibility	CE
Size & weight	146*88*65 mm - about 370 g
Warranty	3 years

Concept and Battery Charging

Battery technical data

Battery pack nominal voltage **4,8 V**.

Duration about 1h 30 min. using charged batteries.

On the first turn on

On purchase, the batteries are not completely charged.

We recommend to charge the batteries for max. 6 hours, before using the instrument.

Always use the supplied battery charger. If it becomes faulty obtain and use the genuine original spare part.

Charging the batteries.

1. Connect the battery charger connector to the socket located at the side of the instrument.

2. Connect the battery charger to an electrical outlet. The front red LED will instantly turn on.

While charging, the battery level indicator will show the battery charge status.

Charge time: about 6 hours.

Use

The batteries should never be exposed to high temperatures, that is, over +60°C.

In order to ensure an optimum service life, use them at environment temperature.

If used at low or high temperatures their service life could diminish.

LED indication	Condition	Solution
ON	Printer ON	
Off	Printer OFF	
Blinking every second	Quick charging	
*	No paper	Insert paper
* *	Hot print head	Cool down the print head
* * *	Low battery	Recharge the battery
* * * *	Battery at 20%	Recharge immediately

INSURANCE. This device is insured by the SOCIETÀ REALE MUTUA for the PRODUCT'S GENERAL LIABILITY up to a maximum of 1,500,000.00 EURO against damages caused by the device in case of failures in functioning.

WARRANTY. The warranty term is 3 years from manufacturing date, in agreement with the following conditions. The components acknowledged as faulty will be replaced free of charge, excluding the replacement of plastic or aluminium cases, bags, packing, batteries and technical reports.

The device must arrive free of shipment charges to **BEINAT S.r.l.**

Defects caused by unauthorized personnel tampering, incorrect installation and negligence resulting from phenomena outside normal functioning shall be excluded from the warranty.

BEINAT S.r.l. is not liable for possible damage, direct or indirect, to people, animals, or things; from product faults and from its enforced suspension of use.



DISPOSAL OF OLD ELECTRICAL & ELECTRONIC EQUIPMENT.

This symbol on the product or its packaging to indicates that this product shall not be treated as household waste. Instead, it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment, such as for example:

- sales points, in case you buy a new and similar product
- local collection points (waste collection center, local recycling center, etc...)

By ensuring this product is disposed of correctly, you will help prevent potential negative consequence for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Attention: in some countries of the European Union, the product is not included in the field of application of the National Law that applies the European Directive 2002/96/EC and therefore these countries have no obligation to carry out a separate collection at the "end of life" of the product.



Made in Italy

Printer STM001 *Lo styling è della b & b design*

Stamp and signature of the dealer

Date of purchase:

Serial number:

La Beinat S.r.l. following the purpose of improving its products, reserves the right to change the technical, aesthetic and functional characteristics at any time and without giving any notice.

BEINAT S.r.l.
Via Fatebenefratelli 122/C 10077, S. Maurizio C/se (TO) - ITALY
Tel. 011.921.04.84 - Fax 011.921.14.77
[http:// www.beinat.com](http://www.beinat.com)

