



## GeBE-FLASH®

### TECHNICAL INFORMATION

## GPT-437x



### Highlights at first sight:

- handy thermal printer in robust plastic housing for 58 mm paper width
- ideal for log and receipt printout
- battery-powered with Bluetooth® 2.0 and 4.0 interface, charging also through car board network 12 VDC
- printing from the app with iOS and Android™ smartphones
- pictures, graphics, text and bar codes in high resolution printing of 203 dpi
- customized versions also for smaller quantities, e.g. operation foil or housing colour

## The GeBE-FLASH<sup>®</sup>

The battery-powered thermal printer GeBE-FLASH<sup>®</sup> is mounted in a robust and fiber-glass reinforced plastic housing. The printer is tailored for space sensitive and mobile applications. With the GeBE-NiMH accu pack the GeBE-FLASH<sup>®</sup> prints up to 5 paper rolls.

The printer can be ordered in various housing colours and with a customized designed operation foil.

Multiple interfaces are available: Bluetooth<sup>®</sup>, USB, HPIr and GeBE-Ir. In the Bluetooth<sup>®</sup> version, the GeBE-FLASH<sup>®</sup> can be recognized as an accessory for printing controlled by Android<sup>™</sup> smartphones. Via the Bluetooth<sup>®</sup> 4.0 interface, the printout is also possible with an iOS smartphone from the app.

The GeBE-FLASH<sup>®</sup> is compatible to HP Deskjet and HP 82240B. Firmware and fonts can be downloaded at any time - even in the field.



With the right paper, the printer can be used in a temperature range of -20°C to +60°C (-4°F to +140°F), also outdoor.

### Typical application

- Protocol printing, e.g. for measuring technologies in medicine, in the field or logistics
- Receipt printing, e.g. for accounting systems in gastronomy or POS

### Drivers

The printer controller GCT-43660 will be supported by following drivers:

Windows<sup>®</sup> CE 5.0, 6.0, 7.0 and Windows<sup>®</sup> XP, 7, 8, 8.1, 10

Unix via Cups for Linux and Mac OS

## Accessory details

Article number	Article description
<b>Cable</b>	
11919	Data cable Mini USB type B to USB type A for PC, length 1,800 mm (70.87 inch)
<b>Power supply</b>	
13978	Charger 12 VDC / 1 A with EU plug
13451	Adapter plug US
13452	Adapter plug UK
13453	Adapter plug AUS
13979	Charging cable car 12 VDC, length 1,900 mm (74.80 inch)
11901	GeBE-accu pack NiMH 4x 1,650 mAh
<b>Spare Parts</b>	
12931	Cover and lever, grey
13072	Cover of battery compartment, grey
11892	Exchange printer mechanism including platen
12116	Exchange platen
<b>Options</b>	
12039	Belt pocket plastics
11937	Belt pocket artificial leather
13281	Belt pocket textile, splashproof
12114	Transportation box with inlay for power supply and paper rolls
13016	Magnet feet
<b>Paper</b>	
13855	10 years paper, roll $\varnothing$ 31.5 mm (1.24 inch), coreless, width: 56.5 $\pm$ 0.5 mm (2.22 $\pm$ .02 inch), paper thickness: approx. 55 $\mu$ m (2.17 mil), outside coated, bisphenol-free and phenol-free, running length: approx. 13.5 m (14.76 yd)
11347	7 years paper, roll $\varnothing$ 31 mm (1.22 inch), core inside $\varnothing$ 7 mm (0.28 inch), width: 56.5 $\pm$ 0.5 mm (2.22 $\pm$ 0.02 inch), paper thickness: approx. 60 $\mu$ m (2.17 mil), outside coated, bisphenol-free and phenol-free, running length: approx. 10 m (10.94 yd)
12033	25 years paper, roll $\varnothing$ 31 mm (1.22 inch), core inside $\varnothing$ 7 mm (0.28 inch), width: 56.5 $\pm$ 0.5 mm (2.22 $\pm$ 0.02 inch), paper thickness: approx. 60 $\mu$ m (2.36 mil), outside coated, bisphenol-free and phenol-free, running length: approx. 10 m (10.94 yd)
12428	12 years endless labels, roll $\varnothing$ 31 mm (1.22 inch), core inside $\varnothing$ 12 mm (0.47 inch), width: 56.5 $\pm$ 0.5 mm (2.22 $\pm$ 0.02 inch), paper thickness: approx. 128 $\mu$ m (5.04 mil), outside coated, running length: 4.3 m (4.70 yd)
<b>Customizing</b>	
13204	Customer specific foil
13433	Housing in special colour RAL

## Technical drawings

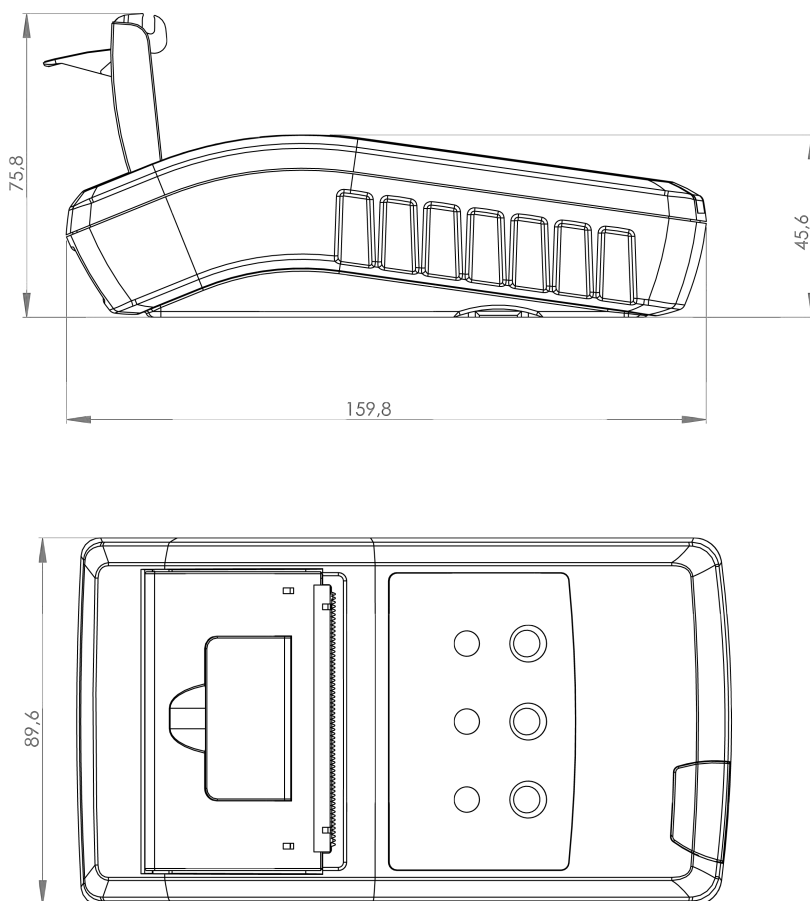


Figure 1: Dimensions for GeBE-FLASH® C32 in mm

## Technical data details

	GPT-437x-C32
Insert paper	easy paper loading
Print procedure	thermal direct print
Resolution	8 dots/mm (203dpi), 384 dots/line
Print speed	max. 75 mm/s (2.95 inch/s), optional max. 90 mm/s (3.54 inch/s)
Paper width	57.5 ±0.5 mm (2.26 ±0.02)
Print width	48 mm (1.89 inch)
Paper thickness	50 – 70 µm (1.97 – 2.76 mil) or GeBE thin labels
Paper length	approx. 11 m (12.03 yd)
Paper roll diameter	max. 31 mm (1.22 inch)
Supply voltage	4 x NiMH 1,650 mAh, charging supply: 10 – 26 VDC with charger 12 VDC at car board network supply
Current consumption print	adjustable via command: 0.7 – 6.0 A (peak)
Current consumption without print	55 – 80 mA (depending on interface)
Available interfaces	Bluetooth <sup>®</sup> 2.0 & 4.0, USB, HPIr, GeBE-Ir
Fonts	23 fonts, extendable, UTF-able
Barcode	EAN8, EAN13, UPCA, Code39, 2of5int, Code 128c, QR Code
MTBF <sup>*</sup> )	50 km (31.07 mile)
Dimensions (WxHxD)	159.6 x 89.6 x 45.6 mm (6.28 x 3.53 x 1.80 inch)
Weight	approx. 350 g incl. paper roll
Housing	PC ABS, similar to RAL 7016
Environment <sup>**)</sup>	-20°C – +60°C (-4°F – +140°F) with specified paper
Humidity	10 – 90 % rel. humidity, without condensation
Storage condition	-20°C – +70°C (-4°F – +158°F) at 10 – 90 % rel. humidity, without condensation

<sup>\*</sup>) Life cycle according to mechanism testing conditions of the manufacturer with specified paper only. Please inquire. The life cycle of the print head is an averaged expectable performance and no guaranteed data. Under optimum conditions, the above listed data can be achieved using specified paper according to our documentation TI-606.

<sup>\*\*)</sup>) In case the print head reaches the maximum ambient temperature, the printer will interrupt operation until cooling down and sends an error message.

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