GeBE-MULDE Medi Cut   GPT-88530

TECHNICAL INFORMATION

C32

Highlights at first sight:

- built-in thermal printer in plastic housing version
- cutter for full and half cut
- with front or backside opening (kiosk application) or by solenoid (via command)
- for paper rolls with paper width up to 86 mm and diameter up to 81 mm
- suitable for protocol and receipt printing with text, graphics and barcodes
- high quality print of 203 dpi with speed up to 250 mm/s
- customized versions, e.g. customer specific operation foil or housing color

The GeBE-MULDE Medi Cut

The low-maintenance built-in thermal printer GeBE-MULDE Medi Cut (GPT-88530) with cutter for full or half cut is suitable for a paper thickness of up to 140 µm (5.51 mil) and also processes preprinted tickets. The printer can be opened either from the front, from the back (in the kiosk version) or by solenoid via a software command.

The GeBE-MULDE Medi Cut is equipped with a status LED, FEED and a TEST button for additional functions. A wide range of available layout commands and several character sizes allows attractive ticket designs.

The printer is available for paper rolls with a diameter of 81 mm (3.19 inch). Using the right paper, the printer can be operated in a temperature range of -20°C to +70°C (-4°F to +158°F), also for outdoor applications.

Typical applications

- Protocol printing, e.g. in measuring devices, medical or industrial equipment or for documentation
- Receipt printing, e.g. at POS terminals, in ATMs (receipt of cash deposits / withdrawals) or in retail stores (cash voucher)
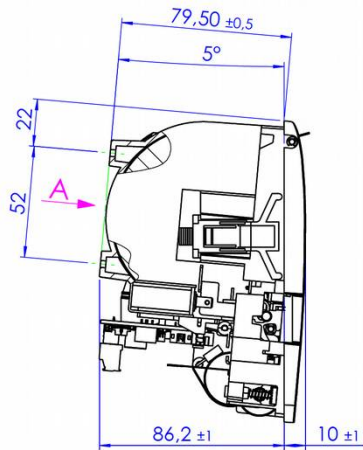
Drivers

The printer controller GCT-88610 will be supported by following drivers:

- Windows® 7, 8, 8.1, 10 and Windows® CE 5.0, 6.0, 7.0
- CUPS for Linux Ubuntu 16.04 LTS, 18.04 LTS, 19.04 LTS and 20.04 LTS (others on request)
- SDK for Windows® 7, 8, 8.1, 10 and Windows® CE 6.0, 7.0, Android Studio up from version 3.2.1, Linux Ubuntu 16.04 LTS, 18.04 LTS, 19.04 LTS and 20.04 LTS, (others on request)
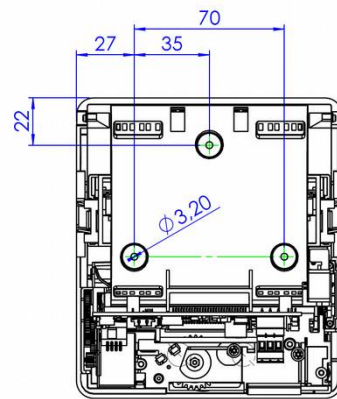
Accessory

Article number	Article description
Cable	
12872	Data round cable USB 2.0 FS, 5 pin, Molex to USB A, length 2,000 mm (78.74 inch)
11352	Data round cable RS232, 5 pin, JST SHR to Sub-D, length 1,000 mm (39.37 inch)
11387	Data cable RS232, 5 pin, JST SHR - one side open, length 500 mm (19.69 inch)
10258	Power supply cable for 10 – 36 VDC, 2 single wires 1.0 mm^2 with end splice, one side open, length 500 mm (19.69 inch)
Power supply	
13694	Power supply 24 VDC / 6.5A with shockproof plug and power supply cable
Options	
14213	Set of paper insert to adjust the paper width
14167	Solenoid to open the cover
14212	Paper roll axis for 12 mm (0.47 inch) core
Paper	
12785	25 years paper • roll: max. ø 70 mm (2.76 inch) • core inside: ø 25 mm (0.98 inch) • width: 82.0 ±0.5 mm (3.23 ±0.02 inch) • paper thickness: approx. 80 µm (3.15 mil) • outside coated • running length: approx. 40 m (43.75 yd)
14170	25 years paper • roll: max. ø 81 mm (3.19 inch) • core inside: ø 25 mm (0.98 inch) • width: 85.5 ±0.5 mm (3.37 ±0.02 inch) • paper thickness: approx. 135 µm (5.31 mil) • outside coated • running length: approx. 33 m (36.09 yd) • blackmark
Customization	
14214	Customer specific operation foil
14215	Housing in special color RAL

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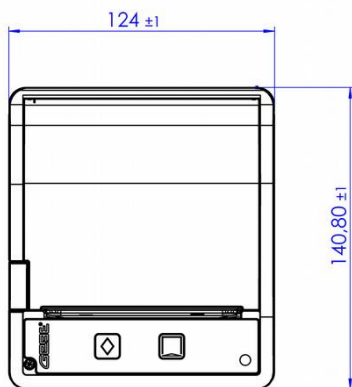**Errors and changes reserved.**
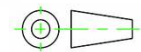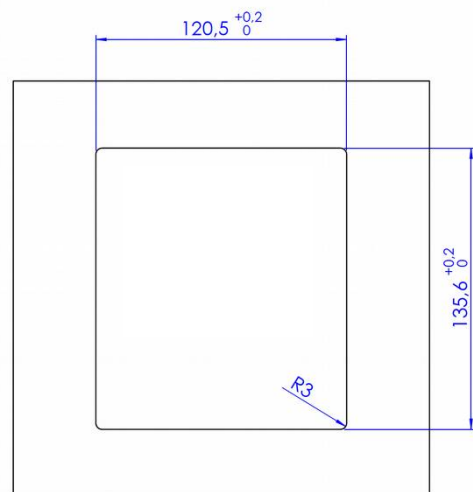
GeBE®

INPUT / OUTPUT DEVICES

Technical drawings
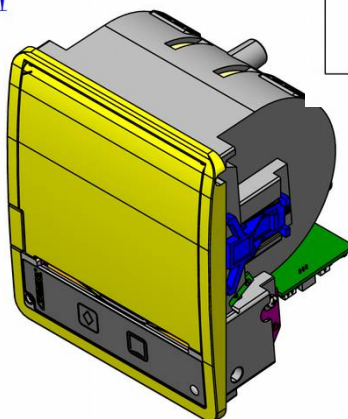

Side view from the left

Back view

Front view

Installation cutout

3D view

Figure 1: Dimensions GeBE-MULDE Medi Cut GPT-88530 in mm

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Technical data details

	GPT-88530
Insert paper	easy paper loading
Print procedure	thermal direct print
Resolution	8 dots/mm (203dpi), 640 dots/line
Print speed	max. 250 mm/s (9.84 inch/s), depending on settings
Paper width	adjustable widths: 45, 54, 60, 69, 76, 80, 82.5, 86 mm (1.77, 2.13, 2.36, 2.72, 2.99, 3.15, 3.25, 3.39 inch)
Print width	80 mm (3.15 inch)
Paper thickness	60 – 140 µm (2.36 – 5.51 mil)
Paper length	approx. 40 m (43.74 yd), with paper 12785
Paper roll diameter	max. 81 mm (3.19 inch)
Supply voltage	24 VDC ±10%
Current consumption print	adjustable via command: approx. 1.0 – 6.0 A (peak)
Current consumption solenoid	approx. 10 A / 60 ms (peak)
Current consumption without print	approx. 60 mA (depending on interface)
Available interfaces	USB 2.0 FS and RS232, (optional: TTL 3.3 V)
Sensors	PE, blackmark and head open
Fonts	11 fonts extendable, UTF-able, optional: Unicode
Barcode	EAN8, EAN13, UPCA, Code39, 2of5int, Code128, QR Code
MTBF*)	100 km (62 miles) / 1 Mio. cuts (depending on paper); 500,000 cuts at 130 µm (5.12 mil) paper thickness
Dimensions (W x H x D)	141 x 124 x 97 mm (5.55 x 4.88 x 3.82 inch), mounting depth: 87 mm (3.43 inch)
Weight incl. paper roll	approx. 800 g
Housing	PC ABS, color black similar to RAL9005, with transparent cover
Environment**)	-20°C – +70°C (-4°F – +158°F) with specified paper
Humidity	10 – 90 % relative humidity, without condensation
Storage condition	-20°C – +70°C (-4°F – +158°F) at 10 – 90 % relative humidity, without condensation

*) 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-DE-0606.
**) In case the print head reaches the maximum ambient temperature, the printer will interrupt operation until cooling down and sends an error message. Outside the temperature range of 0°C – +50°C (32°F – 122°F), the cutting performance may be reduced.

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