

Dräger Mobile Printer - Technical Data for Diagnostic-Application

Package (Part-# 8319310)

- Box white box, 16cm x 24cm x 7cm (WxLxH)
- Contents 1 Printer (without batteries), 4 AA alkalines 1,5V, 1 screw, 1 instruction manual

Environmental conditions

For operation

- Temperature -5 to 50°C
- Humidity up to 100%, not condensing
- Atmos. pressure 600 to 1050 mbar

For storage

- Temperature -20 to 50°C, short time (4h) -40 to 70°C
- Humidity up to 100%, not condensing
- Atmos. pressure 600 to 1050 mbar

Dimensions

110mm x 60mm x 205 mm (WxHxL)

Weight

approx. 400g

Stablerness

rubber feet; better adhesion due to four additionally imbedded magnets. It's possible to position the printer or vertical surfaces or even overhead.
Thread inserts underneath the rubber feets; for mounting on several surface:

Power supply

Battery types

- Alkaline (part-# 1335804) 4 x 1.5V (Mignon, LR6, AA)
- NiMH (part-# 1890092) 4 x 1.2V (Mignon, LR6, AA), do not use "R6" (zinc-carbon)

Battery capacity/lifetime

- Alkaline > 200 printouts, dependent on recovery time between the printouts
- NiMH > 200 printouts, dependent on recovery time between the printouts

- Specifics

The printing when using NiMH-rechargeable Batteries is faster than printing when using alkalines (lower internal resistance)
Speed of printing is dependent on the charging status of the batteries

Battery charging

- Charging options

- a.) Battery charging with constant current 600 mA; approx. 3h total charging time. Battery charging with the same mains adapter (part-# 8316991) for the printer and the measuring device
- b.) 12 V - mains adapter, not available at the moment

- Specifics

When using alkalines, the charger can be connected.
The power to run in stand-by mode will then be provided via cable; the device does not fully switch off 4 min after use, but switches into "auto-detect-mode" (sleep mode). The device appears to be switched off, but printing can be started automatically (without active switching on) by sending data to the optical interface
--> battery saving
When using rechargeables, the "auto-detect-mode" will also be activated when a charger is plugged into the printer

Switching On/Off

"Switching on" (when device is off)

By pressing the "on/off-button" (longer than 2 sec), or by plugging in the charger
By pressing the "on/off-button" (longer than 2 sec), or by sending data to the optical interface (printing process is

"Switching on" (when device is in "auto-detect-mode") started)

"Switching off" (when device is on),
and charger is not plugged in

- When pressing the "on/off-button" (longer than 2 sec), the device does switch off immediately
- When not pressing the "on/off-button", then 5 min after last use the device beeps and switches off automatically (First "warning after 4 min (long beep), second warning after 4.40 min (long beep, one yellow LED blink))

"Switching off" (when device is on),
and charger is plugged in

- When pressing the "on/off-button" (longer than 2 sec), the device switches immediately into "auto-detect-mode"
- When not pressing the "on/off-button", then 5 min after last use the device beeps and switches automatically into "auto-detect-mode" (First "warning after 4 min (long beep), second warning after 4.40 min (long beep, one yellow LED blink))

Thermal head

- Lifetime

approx. 100 km paper

Thermal paper

Paper width

58 mm

Maximum roll diameter

47 mm

Paper length (roll)

approx. 24 meter

Standard printout	~ 16 cm length, 5,8 cm width
Printouts per roll	~150 Standard printouts (~15 cm per printout)
Part-# 8319002	
- Durability (document bearing stability)	7 years (on below-mentioned conditions)
- Temperature	18 to 24°C
- Humidity	40 to 60% relative humidity
- Light	avoid long-term direct influence of sunlight or other UV-rays and fluorescent light
- application;	- carbon-paper and non carbon-paper
no contact with:	- register paper and glue containing dibutylphosphates or other organic solvents
	- sheet protectors or plastic folders containing softener
	- solvents or oder solvent-containing products,which contains alcohol, ketones, ester or other substances of this chemical group
Part-# 8318461	
- Durability (document bearing stability)	25 years (on below-mentioned conditions)
- Temperature	18 to 24°C
- Humidity	40 to 60% relative humidity
- Light	avoid long-term direct influence of sunlight or other UV-rays and fluorescent light
- application;	- carbon-paper and non carbon-paper
no contact with:	- register paper and glue containing dibutylphosphates or other organic solvents
	- sheet protectors or plastic folders containing softener
	- solvents or oder solvent-containing products,which contains alcohol, ketones, ester or other substances of this chemical group
Printing	
Speed	~ 1,8 cm per second (standard printout)
Time to print 1 printout	< 10 seconds
Fonts	
- Large	11 signs per line, font size 2,5 mm
- Normal	24 signs per line; font size 2 mm
- Normal bold	24 signs per line; font size 2 mm
- Small	42 signs per line; font size 1 mm
Graphics	
	- max. file size: 8 KB (every Bitmap-files are convertible at the Dräger-Service, then the customers can upload their graphics)
	- graphic can be positioned user-defined (at the top preferred)
	- size (H x W): 160 x 384 pixel (2,0 x 4,8 cm)
Configuration software (for customers)	
- Possible configurations	- headline for usertext
	- count of printouts
	- paper feed by keypress (in cm)
	- paper feed after protocol
	- opt. Interface (on/off)
	- overwriting mode Bumpstest (on/off)
	- select language for Alcotest 7410 Plus-protocols
Interfaces	
- Optical Interface	Alcotest 6810, Alcotest 6810 med, Alcotest 7410 (protocols are version-dependent)
- IR	all Bumpstest-devices, in future DrugTest 5000, in future A7510.
- Serial interface (RS 232)	for configuration, alternative to USB-interface. expandable e.g. with network adapter
- USB	standard interface for PC via PC-connecting cable (part-# 8318657)
- PS2	keyboard (for "dummy text input"), maybe keyboard including card-reader
- Optional: network-adapter (part-# 8319348)	"Service from afare", (switch-over in to transparent-mode; data from MMT-devices were forwarded to PC)
Others	
- Paper identification	not yet activated