Member of GHM GROUP

HD40.1

HD40.1
PORTABLE THERMAL PRINTER

The **HD40.1** ia a lightweight, compact, portable thermal printer. It is connected to instruments or PC through the RS232 serial input.

The Blue A four NiMH rechargeable battery pack provides power supply and ensures long autonomy: you can print up to 3000 lines at full charge. Standard thermal paper roll width: 57mm. Print resolution: 203 dpi. Print characters (each line): 24.
Protection degree: IP40.

Technical specification	
Printing method	Thermal
Resolution	203 DPI (8 dot/mm)
Printing width	48mm centered in the paper roll
Paper roll width	57mm ... 58mm
Max. paper roll diameter	32mm
Number of columns	24
Printing speed	Up to 90 mm/sec (depending on battery charge and ambient conditions)
Sensors	Paper detection
Character set	IBM II 858 table
Printing formats	Normal or extended
Character font	1 (16 x 24 dot – 2mm x 3mm)

Thermal head durability	
Mechanism life	100 million pulses (temperature: 20...25°C)
Abrasion resistance	50km of paper (temperature: 20...25°C)
Cover group durability	2000 opening/closing cycles or more
Communication interfaces	RS232
RS232 Baud rate	9600, 19200 and 38400 baud **(the factory parameter is 38400 baud)**

Mains power supply	
(cod. SWD10)	100-240Vac/12Vdc-1A mains battery charger
Batteries	Four 1.2V AA rechargeable batteries (NiMH)
Printing autonomy	3000 lines 24 characters each printing one line every
	10 seconds
Switch-off function	0, 5, 10 or 15 minutes
Dimensions	105mm x 165mm x 53mm
Weight	380g (with batteries and paper roll)
Material	ABS

OPERATING CONDITIONS

Operating temperature   0°C ... 50°C
Operating relative humidity   20%RH ... 85%RH not condensing
Storage Temperature /
Relative humidity   -25°C ... +70°C / 10%RH ... 90%RH not condensing
Protection degree   IP40

Connections
Serial interface   9-pole D sub male connector
Battery charger power supply
(cod. SWD10)   2-pole connector (positive in the middle)

ORDERING CODES

HD40.1: The kit includes: 24-column portable thermal printer, serial interface RS232, 57mm paper width, four NiMH 1.2V rechargeable batteries, SWD10 power supply, instruction manual, 5 thermal paper rolls.
The serial cable for PC/instrument connection must be ordered separately.
HD2110CSNM: RS232C 8-pole Mini-Din - 9-pole D Sub female null-modem cable for connecting the printer to instruments with Mini-DIN connector (HD21xx.1 and HD21xx.2 series, HD34xx.2, etc.).
9CPRS232: RS232C 9-pole D Sub female null-modem cable for connecting the printer to instrument with 9-pole D Sub connectors (Delta OHM instruments: HD22xx.2 series, HD98569, HD25.2, etc.).
HD2110RS: RS232C 9-pole D Sub female-M12 connector cable for connecting the printer to instruments with M12 connector (HD2010…, HD2110L, …).

SWD10: 100-240Vac/12Vdc-1A Mains battery charger.
BAT.40: Spare battery pack for HD40.1 and HD40.2 printers with in-built temperature sensor.
RCT: The kit includes 4 thermal paper rolls 57mm wide and 32mm diameter