HD 40.1
HD 40.2

HD 40.1, HD 40.2
PORTABLE THERMAL PRINTER

The **HD40.1** and **HD40.2** are lightweight, compact, portable thermal printers.
   The HD40.1 is connected to instruments or PC through the RS232 serial input.
   The HD40.2 features a dual mode data reception system - RS232 serial and Bluetooth.
The Bluetooth wireless connection makes the HD40.2 printer very useful "in the field", since it does not require any connection to the instrument. A careful design allows you to replace the thermal paper roll in a few seconds. 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.

SPECIFICATIONS

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 Bluetooth (for HD40.2)	RS232
RS232 Baud rate	9600, 19200 and 38400 baud (**the factory parameter is 38400 baud**)
Bluetooth Baud rate	38400 baud (for HD40.2)
Bluetooth operating distance	Up to 10m without hindrance (for HD40.2)
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. It prints 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.

HD40.2: The kit includes: 24-column portable thermal printer, **Bluetooth and 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 MiniDin - 9-pole D Sub female null-modem cable for connecting the printer to instruments with MiniDIN connector (HD21xx.1 and HD21xx.2 series, HD34xx.2, HD2010, HD2110, 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.).

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.

9CPRS232

RCT

HD2110CSNM

SWD10