

PORTABLE THERMAL PRINTER



FOR HD-3409-2, HD-3456-2
HD-21AB-17,
HD-2010-UC

HIGHLIGHTS:

- Lightweight
- Portable
- Compact

HD-40-1

Portable thermal printer

General:	
The HD-40-1 is a lightweight, compact, portable thermal printer. It is connected to instruments or PC through the RS232 serial input.	
Application:	
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.	
Specifications:	
Printing method:	Thermal
Resolution:	203 DPI (8 dot / mm)
Printing width:	48 mm centered in the paper roll
Paper roll width:	57 ... 58 mm
Max. paper roll diameter:	32 mm
Number of columns:	24
Printing speed:	Up to 90 mm/s (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 – 2 x 3 mm)
Thermal head durability	
Mechanism life:	100 million pulses (temperature: 20 ... 25 °C)
Abrasion resistance	50 km of paper (temperature: 20 ... 25 °C)
Cover group durability:	2000 opening/closing cycles or more
Communication interfaces:	RS232
Mains power supply (cod. SWD-10):	100-240 V AC/12 V DC-1 A mains battery charger
Batteries:	Four 1.2 V AA rechargeable batteries (NiMH)
Printing autonomy:	3000 lines 24 characters each printing, one line every 10 s
Dimensions:	53 mm x 165 mm x 105 mm (H x W x D)
Material:	ABS
Operating conditions	
Operating temperature:	0 ... 50 °C
Operating relative humidity:	20 ... 85 % RH not condensing
Storage Temperature / Relative humidity:	-25 ... +70 °C / 10 ... 90 % RH not condensing
Protection degree:	IP40
Connections	
Serial interface:	9-pole D sub male connector
Battery charger power supply (cod. SWD-10):	2-pole connector (positive in the centre)
Scope of supply:	24-column portable thermal printer, serial interface RS232, 57 mm paper width, four NiMH 1.2 V rechargeable batteries, SWD-10 power supply, instructions manual, 5 thermal paper rolls.
Accessories:	
HD-2110-CSNM	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, HD98569, etc.).
HD-2110-RS	M12 - 9-pole D Sub connectors cable for connecting the printer to instruments with M12 connector (Delta Ohm instruments: HD 2010UC, HD 2010UC/A, HD 2110L).
SWD-10	100-240 V AC/12 V DC-1A Mains battery charger.
BAT-40-1	Spare battery pack for HD-40-1 printer with in-built temperature sensor.
RCT	The kit includes 4 thermal paper rolls 57 mm wide and 32 mm diameter.