MARTIN®

a finetech company

CLEVER DISPENSE 06

Set HC DK

The CLEVER DISPENSE 06 HC embodies a professional dispenser for applications that require highest accuracy and a maximum control of material temperature and viscosity. This dispenser allowsheating and cooling (temperature control) of the dispensing nozzle and cartridge. The all-electronic dispensers whose dispensing pressure, temperature and retract vacuum are program-controlled rely on time-pressure-technology. This allows reliable dispensing of very small dots and lines of liquid to pasty material either as 1K-type or 2K-type. You can add your own material to the already existing material library to define essential material parameter and limit values. To ensure a stable process, this device set includes a tempering module for the nozzle — an integrated feature of the dispensing head. Optionally, a cartridge tempering module can be attached to the CLEVER DISPENSE 06 HC which allows the material temperature to be adjusted and controlled. Furthermore, a USB or TCP/ IP interface is available for communication between the dispensing device and the process control computer.

Top Features

Heating and cooling

Automated & manual
Flexibly deployable dispensing heads of various sizes

Tempering
Heating and cooling of media with limited pot life for complicated applications

Repeatability
A consistent volume can be dispensed with the volumetric dispensing device, regardless of the viscosity

Software
Intuitive software offering use of dispensing recipes and the material library

Process reliability
Dispensing pressure, temperature and retract vacuum are configured through the program

Interfaces
USB, TCP/IP, RS232, Ethernet

Standard equipment

- Control unit CLEVER DISPENSE 06 HC
- Dispensing head (size of choice) with integrated nozzle tempering and connecting cable (I=2.6m)
- Pneumatic hose (d=6mm, I=5m)
- Power supply 90-230V AC –> 24V DC
- PC-Software CLEVER DISPENSE Pro
- USB cable
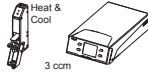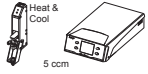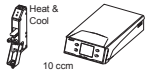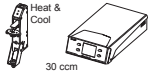- Short instruction
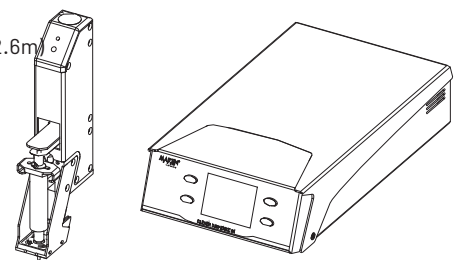
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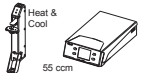
Dispensing head:	3, 5, 10, 30, 55 ccm
Viscosity range:	0.1-10^5 mPas
Nozzle tempering:	-15K –> Ambient –> 50°C
Communication:	USB 2 (Type B) / SPS / PLC / Network
Weight:	2,5 kg max
Size:	272 x 152 x 60 mm³

Line dispense settings:	Time range:	0,1 s – 30 s
	Continuous pressure control	
	Repeatability:	2% (Pressure level)
Dot dispense settings:	Time range:	0,001 s -2 s (±0,0005 s)
	Pressure range:	0,1 bar – 6 bar
	Repeatability:	1 % (Pressure pulse)
	Smallest dispensing vol.:	1,0 nl

Options

Retract vacuum:	–20 mbar – 0 mbar
Height sensor:	For dispensing head
Cartridge tempering:	–10K –> Ambient –> 50°C

	Article nr.	Name

Set variations

	Article nr.	Name
Heat & Cool 3 ccm	CD06.2301	CLEVER DISPENSE 06 HC Set DK 3 dispensing head 3ccm and nozzle temperature control
Heat & Cool 5 ccm	CD06.2301	CLEVER DISPENSE 06 HC Set DK 5 dispensing head 3ccm and nozzle temperature control
Heat & Cool 10 ccm	CD06.2303	CLEVER DISPENSE 06 HC Set DK 10 dispensing head 3ccm and nozzle temperature control
Heat & Cool 30 ccm	CD06.2304	CLEVER DISPENSE 06 HC Set DK 30 dispensing head 3ccm and nozzle temperature control
Heat & Cool 55 ccm	CD06.2305	CLEVER DISPENSE 06 HC Set DK 55 dispensing head 3ccm and nozzle temperature control

Optional extras

	Article nr.	Name
Vac	CD06.0051	Vacuum module CD06 HC for thin fluids
Nozzle Heat & Cool 5 ccm	DK06.0502	Dispensing head 5ccm for CD06 HC with nozzle temperature control Dispensing heads for cartridge size 3ccm, 10ccm, 30ccm and 55ccm are available
	DK06.1503	Cartridge Temperature Control 10ccmfor dispensing head CD06 HC Cartridge temperature are for cartridge size 3ccm, 5ccm, 30ccm and 55ccm on request
Touch Down	DK00.0030	Hight sensor for dispensing head dispensing w/o spacer, incl. spacer "0.0"
KVM03 0.01-3.0 qmm	HT00.0002	Dickstoff-Volumen-Messgerät KVM-03 Messbereich 0,01-3 ccm

More accessories and consumables at www.martin-smt.de