

HEMOMIX[®] 3

Electronic blood collection monitor with
bidirectional data communication



The image shows a white ELCOM HEMOMIX3 blood collection monitor. The device has a control panel with a digital display showing '450' and '30-13V'. There are several buttons labeled 'STOP' and 'START'. A 'Battery Status' indicator shows 'In charge' and 'Charged'. The ELCOM logo is visible at the bottom right of the control panel. A grey tube is connected to the top of the device.

WE.
KNOW HOW

New HEMOMIX3 is a modern blood collection monitor, carefully designed for powerful, versatile and intuitive use.

Electronic blood collection monitor with bidirectional data communication

- ✓ Intuitive icon-based user interface and diagnostics
- ✓ Clamp detector and tube detector
- ✓ Multicolour indicator light, visible 360° at long distance
- ✓ Audio and visual warnings, for bad flow, bumps, timeout, etc.
- ✓ Predictive local intelligence, warning slow collections
- ✓ Up to 5 target volume presets, editable during collection
- ✓ Up to 20 working protocols, fully customizable by Windows®
- ✓ Barcode reader (option) or RFID data exchange (option) 
- ✓ Data format and consistency check, cross-matching tests



New HEMOMIX3 is a modern blood collection monitor, carefully designed for powerful, versatile and intuitive use.

New HEMOMIX3 accepts all kinds of blood bags. 3D mixing with programmable motion, with pauses and inversion, guarantees the best mix with anticoagulant. Weighing system of HEMOMIX3 is tough and very simple to calibrate: it takes only few seconds with a known calibration mass. Adjustable warnings for low and high flow, bumps and maximum donation time. Flow warnings with self-reset and latency-time/pre-alarm-time/warning logic. Optical pre-alarms and optical/audible warnings, with 3 levels of loudness, muting and reset. Programmable default values for most common parameters of collections. Target volume can be easily modified during donation. Auto tare of the empty bag with automatic clamp closing at begin and at end of donation procedure, with audio and visual warnings (multicolour indicator light on top of the clamp for easy 360° visibility). Safety detectors to control if tubing is well inserted into the clamp and check the clamp actual position.

During the collection, the high contrast graphic display shows: donation time, collected blood and target volume, real time blood flow and accepted range, an analog progress bar and an informative status line. At the end of each donation the display shows a resume page, with the final volume collected, the average flow, the donation time and total pause time. Scale mode and user selected units: ml or grams.

All collection data can be recalled and read from the mixer memory or transferred onto the memory cards (MMC/SD or USB-stick option) or sent to the PC via wired or wireless network (option). Bidirectional data communication with serial, wired Ethernet or Wi-Fi network (option). Bidirectional features (option) include automatic change of program, of target volume, of sampling tubes number. Custom text messages shown on screen, also sent by LIMS, allow prompts for operator and a fully positive donor identity check. Barcode or RFID data exchange (option) are completely customizable by software. HEMOMIX3 can work without AC power, using 1 built-in removable rechargeable high capacity battery pack (option). The battery pack can be charged automatically inside the machine or by the external battery charger (option). Up to 255 mixers can be connected in the same network.

Dimensions and weight: 351D x 221H x 273W mm about 3 Kg (without battery)

Class 1 Medical Device (93/43 MDD and Ita. D.L. 46/97)

EN 60601-1 for Electrical safety and EN 60601-1-2 for EMC

Hemomix 3 is a medical device with electrical class of protection CF

You can download full specifications and the Technical Data Sheet
from our website www.delcon.it

SALES CODES

HMIX3.485	Mixer with RS485 network communication (network adapter required)	
HMIX3.485.RFID	Like HMIX3.485 with built-in RFID antenna	 
HMIX3.LAN	Mixer LAN version, Ethernet network communication (HUB required)	 
HMIX3.LAN.RFID	Like HMIX3.LAN with built-in RFID antenna	  
HMIX3.WIFI	Mixer Wi-Fi version, Wi-Fi communication (Access Point required)	 
HMIX3.WIFI.RFID	Like HMIX3.WIFI with built-in RFID antenna	  

OPTIONAL ACCESSORIES

HMIX3.DB.20	USB memory stick
CAL-MAS.500	500 g calibration mass ($\pm 0,01\%$)
BAT-CH.12V	External battery charger 100 - 240 VAC for mixers
BAT-PK.12V	Ni-Mh battery pack 12V
TROLLEY-1.DLC	Trolley transport case (can be used as support for mixer too)
ADAP-485-USB	RS485 network adapter for USB connection (1 for each serial network)
CCD-BARCD1	CCD barcode reader
LSR-BARCD1	Laser barcode reader
CAB-485.5	RS485 network cable (5m) to connect devices together
HUB-PC	HUB Ethernet 16 entries (for LAN version)
ACC-POINT	Wi-Fi Access Point (for Wi-Fi version)
CAB-LAN.5	(5m) Ethernet LAN cable (For LAN version)
DCSX_CORE	Software (Data Collection System for Windows®) free license for configuration and monitoring
DCSX_DM	DCSX Software extension license for one-direction data management (requires DCSX_CORE)
DCSX_BC	DCSX Software extension license for bi-directional communication (requires DCSX_DM)



DELCON

Our technology Your health

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Delcon reserves the right to modify, add, and remove the functional and visual features of the devices, at its sole discretion, at any time, and without prior notice

M A D E I N I T A L Y



Management System
ISO 9001:2008
EN ISO 13485:2012
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