



MIXER SCALE FOR MEASURING BLOOD QUANTITY COLLECTED FROM DONOR MOD. EO51P-B



MAIN FEATURES

1. Large display (dim:130mm x 40mm) blue LCD with white backlight that is easy to read from any angle, with brightness and contrast adjustment.
2. Easy-to-clean **ALPHANUMERIC** membrane keyboard.
3. Mixing system, consisting of large mixing plate (can also hold bags with filter), removable (for easy cleaning), with 5-second mixing cycle. Wide-ranging tilting system (40°) ensuring optimal mixing of blood with anticoagulant.
4. Automatic and manual tube clamping system, suitable for any type of tube, with tube presence/absence sensor for greater safety during collection.
5. Load cell volume transducer. Weighing accuracy +/- 1 ml.
6. Automatic conversion from grams to millilitres (1ml of blood = 1.06g).
7. Auto-check calibration function at switch-on. In the event of calibration loss or deviation problems, the device emits an audible and visual alarm to warn the operator ('Autozero failed' alarm).
8. Automatic tare weight of collection bag.
9. Electronic setting of the volume to be collected (from 1ml to 999ml), with possibility of variation even during donation.

10. Possibility of quick recall of 10 preset volume sets.
11. Real-time display of: SET VOLUME, WEIGHT/VOLUME COLLECTED, INSTANTANEOUS FLOW AND GRAPHICAL TREND, ACTUAL DURATION, EXPECTED DURATION, REMAINING TIME, ACTIVE ALARMS, DEVICE STATUS, DATE, TIME, BATTERY CHARGE STATUS, TECHNICAL PARAMETERS.
12. Audible and visual '**COLLECTION DURATION**' pre-warning, which can be set, to monitor the duration of the collection.
13. Continuous sampling flow monitoring with visual and audible alarm for zero, low or high flow. Electronic setting of minimum and maximum flow values.
14. Automatic stop of flow when preset volume is reached or maximum time is exceeded with simultaneous acoustic and visual alarm. **STOP CYCLE** button for emergency stop with simultaneous acoustic and visual alarm
15. RS232 serial port for barcode reader connection.
16. RS422 serial port for network connection.
17. Operation with external mains power or with internal rechargeable battery with high autonomy. It guarantees correct operation and data storage even in the absence of external power supply. Continuous display of battery charge status indicator. Recharge time to guarantee operation: 2 hours.
18. Automatic management of the expiry of the periodic calibration of the load cell, with acoustic and visual alarms.
19. Calibration with issue of test report with **ACCREDIA** traceability.
20. Capacity to store N°46 collection cycles (standard), N°26000 (with optional additional memory).
21. User access protection with 4 different password levels for greater data security: **OPERATOR MENU, ADMINISTRATOR MENU, MAINTENANCE MENU, CALIBRATION MENU.**
22. Changing passwords possible by the administrator.

Alarms managed:

- No flow alarm
- Low Flow Alarm
- High Flow Alarm
- Alarm Maximum time exceeded
- Alarm Duration 12 min.
- Alarm Duration 15 min.
- Alarm Balance calibration
- Alarm Low Battery
- Alarm Donation interrupted
- Alarm Autozero failed
- Alarm Memory Full
- Alarm Set volume exceeded
- Broken Balance Clock Alarm
- Alarm Battery overheated

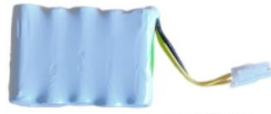



FUNCTIONAL DESCRIPTION

The Mod.EO51P-B scale is certainly among the most advanced blood sampling scales available on the market. Thanks to its technology that uses the latest generation of reprogrammable micro-processors, it is able to receive, firmware updates that modify its operation, to meet the most diverse requirements of the various customers and to keep up-to-date with current regulations.

TECNICAL DATA

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PRODUCT CODE	EO51P-B
POWER SUPPLY	Provided stabilized power adapter Input: 100-240 Vac, 47-63Hz - 0,9-0,3A Output: 24Vdc 1,25 A max
BATTERY	Rechargeable with high autonomy and no memory effect NiMh type: STANDARD: capacity 2200mAh (12h continuous operation) OPTIONAL: capacity 4400mAh (24h continuous operation)
AVERAGE BATTERY LIFE	3 years
OPTIMAL CHARGING TIME	5 h
DISPLAY	Blue LCD with White Backlight (size:130mm x 40mm)
WORKING TEMPERATURE	From + 10°C to + 40 °C
SWINGING PLATE SPEED	14 RPM
FLAT TILTING AMPLITUDE	From +20° to -20° (total swing of 40°)
TUBE CLAMP	Automatic 2 positions (open, closed) with integrated tube presence sensor

WEIGHT TRANSDUCER	Loadcell with maximum load capacity of 6 Kg
ACCURACY	± 1 ml
VOLUME SETS	from 1ml to 999ml
BAGS TARE	Automatic
PERIODIC CALIBRATION	YES. Programmable and executed by qualified personnel.
MANAGED ALLARMS	No flow, Low flow, High flow, Maximum duration exceeded, Duration 12 min, Duration 15 min, Balance calibration needed, Low battery, Donation interrupted, Autozero failed, Memory Full, Set volume exceeded, Balance clock broken, Battery overheated.
ALARM SUSPENSION	From keyboard
LANGUAGES	English, Italian, Spanish, German, Franch
DIMENSIONS	mm 300x315x210 h
WEIGHT	Kg 3,8
COSTRUCTION MATERIALS	ABS, Stainless steel, Alluminium
DEVICE CLASS	CLASSE Im
ELECTRICAL SAFETY CLASS	Classe 1
APPLIED PARTS	Clamp:Type B
CND CODE:	Z121799
RDM CODE:	732968/R

OPTIONAL ACCESSORIES		
CODE	DESCRIPTION	IMAGE
ELT00000226	Rechargeable NiMh 12v 4400 mAh battery with Ntc 100 K-Ohm	
COM0000059	1 kg weight in chrome-plated brass with plastic container complete with calibration report referring to Accredia-certified weights - M1 class for performing calibrations or calibration checks independently	
EO/1	Scale case made of AHC (Aluminium Hi-Composite) with internal padding ideal for frequent transport	
CAR01-0002	Stainless steel trolley with scale shelf and PETG shelf, 2 swivel castors and 2 fixed feet	
	Electrically variable height scale trolley.	

COMPLYING WITH THE CEE DIRECTIVES 93/42/CEE (IMPLEMENTED IN ITALY WITH D.LGS N. 46 OF 27/02/1997 AND MODIFIED ACCORDING TO THE DIR. 07/47/CE, AS NOTED IN THE CE CERTIFICATE N. . MED 31118 ISSUED BY NOTIFIED AUTHORITY KIWA CERMET) - 2006/42/CE - 2006/95/CE - 2004/108/CE – 2007/47/CE
AND IN ACCORDANCE WITH THE TECHNICAL STANDARDS CEI 60601-1 THIRD EDITION

COMPLIANT WITH CEE DIRECTIVES IN FORCE

The Company reserves the right to make changes and improvements at any time and without prior notice.
 Designed and made in Italy.



ESSE3 srl, Via Garibaldi 30
 14022 Castelnuovo D.B. (AT)
 Tel +39 011 99 27 706
 Fax +39 011 99 27 506
 e-mail: danielec@esse3-medical.com
 web: www.esse3-medical.com

