

BLOOD SCALE PRODUCTS' LINE



Bagmixer Bio33



Bagmixer Bio33

Bio33 is the new generation scale/mixer designed for high reproducible results of blood collection to meet the demands of today blood centres.

Bio33 has easy programming capability and live monitoring of the collection's step through the LCD display, which makes a single person able to operate with several scale/mixers simultaneously. Automatic Collection process also means that blood collections are high quality and standardised.

Bio33 keeps the operator informed showing collection data constantly: time, flow, collected volume and target volume without any keyboard use or collection standby.

Bio33 monitors with its microcontroller each collection procedure's step; blood flow is immediately blocked with a visible and sonorous warning at end collection.


Bio33 is powered by mains adapter.

- Autocrat and software automatic calibration.
- Pause function for standby collection.
- Alphanumeric LCD display backlit to improve readability in low-light situation.
- Powered by mains adapter
- Changeable bag –pan for easy cleaning.
- Programmable flow limits in the default safe range of Fl. min.: 8-80 ml; Fl. max: 81-240 ml.
- Programmable measure unit "g or ml".
- Two Pre-programmed standard volumes.

- Target volume adjustable before and during collection.
- Continuous check of blood flow limits with automatic display and sonorous warning.
- Continuous one page display with all data during collection:
 - Min or max flow in case of flow alarm.
 - Collection time
 - Instantaneous collection flow.
 - Instantaneous blood collected volume.
 - Pre-programmed collection volume.

Technical Data:

Power supply:	Mains adapter 220 VAC.
Power consumption:	Max 32 VA
Fuses (built in)	PTC. (self recovery for overload protection)
Max volume	(collected blood) 800 ml.
Accuracy	<1% of max weight.
Tarring range	0 - 650 g
Mixing cycle	12 cycles/min.
Dimensions mm :	260 (L) x 345 (W) x 180 (H).
Weight	3,4 kg.

Symbol:  Protection type B equipment
Protective classification: Class I, type B.
This device complies with requirements in MDD 93/42 EEC

BagMixer BIO33A



BagMixer BIO33A

BIO33A offers a complete system for blood collection and data registration.

BIO33A meets today and future demands for full traceability and quality control.

BIO33A thanks to its technology, exploiting reprogrammable last-generation micro-processors, can receive firmware updates to change its operation, to satisfy different customer needs or to be up to date for future regulations. Data acquisition takes place through keyboard, barcode reader or TAG HF reader (RFID).

Possible connection to a Personal Computer with SUPERVISOR software, which allows real-time monitoring (up to 20 mixers simultaneously) of:

- Mixers operational status
- Preset blood collection volumes
- Real blood collection volumes, (value and BAR-GRAPH)
- Alarming condition: low flow, high flow, low battery etc...

SUPERVISOR software can store the following data on procedures: date, time, donor code, operator code, preset target volume, actual volume collected, donation duration, bag tare, bag code, test tube codes, alarms occurred.

SUPERVISOR software allows you to print daily reports containing all info on daily samples. That minimizes the risk of mixing up blood bags, speeds up and improves the succeeding analysis and treatment of blood.

Main Features:

- Large blue LCD display with white backlighting,
- Mixing system, consisting of wide extractable rocking tray.
- Automatic and manual tube clamping system, equipped with sensor to check tube presence / absence.
- Load cell volume transducer. Weighing accuracy + / - 1 ml.
- Automatic display conversion from grams to millilitres.
- Automatic tare of the collection bag's weight.
- Digital target setting of two collecting volumes (from 200 to 500 ml.), with possibility to change them during donation.

- RS232 serial port for barcode reader connection.
- RS485 serial port for network connection.
- TAG HF reader (RFID) compliant with ISBT specification
- Alphanumeric membrane keyboard to be used for manual data entry in case use without barcode reader.
- Internal rechargeable battery pack lasting up to 12 hours (more than 50 collections). The unit can also be powered by means of external accumulator.
- Adjustable periodic calibration management, which can be automatically managed with visual and acoustic alarms.
- Automatic and continuous check of: date, time, volume set, real volume collected, alarms occurred, bags quantity requested, tubes quantity requested. Blood flow (ml/min), with digital setting of low and high flow values. Visual and acoustic pre-alarm adjustable time to monitor blood collection total time;
- Automatic flow stop at the achievement of the preset volume with contemporaneous visual and acoustic alarm.
- Internal memory storing up to 100 procedures.
- Data transmission to PC by LAN "RS485" or radio-frequency wireless transmitter.
- Users accesses protection with 4 levels of different passwords for greater safety in data handling.
- External body in thermoformed self-extinguishing ABS

Technical Data:

Power supply: External stabilized AC/DC transformer

Input: 100-240 Vac, 47-63 Hz 0,9-0,3A

Output: 24Vdc, 1.25A Max

Operating: External power supplier or internal rechargeable batteries

Mixing cycle: 12 cycles/min.

Dimensions: mm 310x290x175h

Net Weight: 3,5 Kg

This device complying with the CEE directives: 93/42/CEE, 2006/42/CE, 2006/95/CE, 2004/108/CE and in accordance with the technical standards CEI 60601-1

BagMixer BIO33B



BagMixer BIO33B

BIO33B offers a complete system for blood collection and data registration.

BIO33B meets today and future demands for full traceability and quality control.

BIO33B thanks to its technology, exploiting reprogrammable last-generation micro-processors, can receive firmware updates to change its operation, to satisfy different customer needs or to be up to date for future regulations. Data acquisition takes place through keyboard, barcode reader.

Possible connection to a Personal Computer with SUPERVISOR software, which allows real-time monitoring (up to 20 mixers simultaneously) of:

- Mixers operational status
- Preset blood collection volumes
- Real blood collection volumes, (value and BAR-GRAPH)
- Alarming condition: low flow, high flow, low battery etc...

SUPERVISOR software can store the following data on procedures: date, time, donor code, operator code, preset target volume, actual volume collected, donation duration, bag tare, bag code, test tube codes, alarms occurred.

SUPERVISOR software allows you to print daily reports containing all info on daily samples. That minimizes the risk of mixing up blood bags, speeds up and improves the succeeding analysis and treatment of blood.

Main Features:

- Large blue LCD display with white backlighting,
- Mixing system, consisting of wide extractable rocking tray.
- Automatic and manual tube clamping system, equipped with sensor to check tube presence / absence.
- Load cell volume transducer. Weighing accuracy ± 1 ml.
- Automatic display conversion from grams to millilitres.
- Automatic tare of the collection bag's weight.
- Digital target setting of two collecting volumes (from 200 to 500 ml.), with possibility to change them during donation.

- RS232 serial port for barcode reader connection.
- RS485 serial port for network connection.
- Alphanumeric membrane keyboard to be used for manual data entry in case use without barcode reader.
- Internal rechargeable battery pack lasting up to 12 hours (more than 50 collections). The unit can also be powered by means of external accumulator.
- Adjustable periodic calibration management, which can be automatically managed with visual and acoustic alarms.
- Automatic and continuous check of: date, time, volume set, real volume collected, alarms occurred, bags quantity requested, tubes quantity requested. Blood flow (ml/min), with digital setting of low and high flow values. Visual and acoustic pre-alarm adjustable time to monitor blood collection total time;
- Automatic flow stop at the achievement of the preset volume with contemporaneous visual and acoustic alarm.
- Internal memory storing up to 100 procedures.
- Data transmission to PC by LAN "RS485" or radio-frequency wireless transmitter.
- Users accesses protection with 4 levels of different passwords for greater safety in data handling.
- External body in thermoformed self-extinguishing ABS

Technical Data:

Power supply: External stabilized AC/DC transformer

Input: 100-240 Vac, 47-63 Hz 0,9-0,3A

Output: 24Vdc, 1.25A Max

Operating: External power supplier or internal rechargeable batteries

Mixing cycle: 12 cycles/min.

Dimensions: mm 310x290x175h

Net Weight: 3,5 Kg

This device complying with the CEE directives: 93/42/CEE, 2006/42/CE, 2006/95/CE, 2004/108/CE and in accordance with the technical standards CEI 60601-1

BagMixer BIO33C



BagMixer BIO33C

BIO33C offers a complete system for blood collection and data registration.

BIO33C meets today and future demands for full traceability and quality control.

BIO33C thanks to its technology, exploiting reprogrammable last-generation micro-processors, can receive firmware updates to change its operation, to satisfy different customer needs or to be up to date for future regulations. Data acquisition takes place through keyboard or barcode reader.

Possible connection to a Personal Computer with SUPERVISOR software, which allows real-time monitoring (up to 20 mixers simultaneously) of:

- Mixers operational status
- Preset blood collection volumes
- Real blood collection volumes, (value and BAR-GRAPH)
- Alarming condition: low flow, high flow, low battery etc...

SUPERVISOR software can store the following data on procedures: *date, time, donor code, operator code, preset target volume, actual volume collected, donation duration, bag tare, bag code, test tube codes, alarms occurred.*

SUPERVISOR software allows you to print daily reports containing all info on daily samples. That minimizes the risk of mixing up blood bags, speeds up and improves the succeeding analysis and treatment of blood.

Main Features:

- Large blue LCD display with white backlighting.
- Mixing system, consisting of wide extractable rocking tray.
- Automatic and manual tube clamping system, equipped with sensor to check tube presence / absence.
- Load cell volume transducer. Weighing accuracy ± 1 ml.
- Automatic display conversion from grams to millilitres.
- Automatic tare of the collection bag's weight.
- Digital target setting of two collecting volumes (from 200 to 500 ml.), with possibility to change them during donation.

- RS232 serial port for barcode reader connection.
- RS485 serial port for network connection.
- Alphanumeric membrane keyboard to be used for manual data entry in case use without barcode reader.
- Internal rechargeable battery pack lasting up to 12 hours (more than 50 collections). The unit can also be powered by means of external accumulator.
- Adjustable periodic calibration management, which can be automatically managed with visual and acoustic alarms.
- Automatic and continuous check of: *date, time, volume set, real volume collected, alarms occurred, bags quantity requested, tubes quantity requested. Blood flow (ml/min), with digital setting of low and high flow values. Visual and acoustic pre-alarm adjustable time to monitor blood collection total time;*
- Automatic flow stop at the achievement of the preset volume with contemporaneous visual and acoustic alarm.
- Internal memory storing up to 100 procedures.
- Data transmission to PC by LAN "RS485".
- Users accesses protection with 4 levels of different passwords for greater safety in data handling.
- External body in thermoformed self-extinguishing ABS

Technical Data:

Power supply: External stabilized AC/DC transformer

Input: 100-240 Vac, 47-63 Hz 0,9-0,3A

Output: 24Vdc, 1.25A Max

Operating: External power supplier or internal rechargeable batteries

Mixing cycle: 12 cycles/min.

Dimensions: mm 310x290x175h

Net Weight: 3,5 Kg

This device complying with the CEE directives: 93/42/CEE, 2006/42/CE, 2006/95/CE, 2004/108/CE and in accordance with the technical standards CEI 60601-1

BagMixer BIO33D



BagMixer BIO33D

BIO33D offers a complete system for blood collection with possible upgrade for data registration.

BIO33D meets today and future demands for full blood donation and quality control.

BIO33D thanks to its technology, exploiting reprogrammable last-generation micro-processors, can receive firmware updates to change its operation, to satisfy different customer needs or to be up to date for future regulations.

Main Features:

- Large blue LCD display with white backlighting,
- Mixing system, consisting of wide extractable rocking tray.
- Automatic and manual tube clamping system, equipped with sensor to check tube presence / absence.
- Load cell volume transducer. Weighing accuracy ± 1 ml.
- Automatic display conversion from grams to millilitres.
- Automatic tare of the collection bag's weight.
- Digital target setting of two collecting volumes (from 200 to 500 ml.), with possibility to change them during donation.
- Membrane keyboard for easy clean
- Internal rechargeable battery pack lasting up to 12 hours (more than 50 collections). The unit can also be powered by means of external accumulator.
- Adjustable periodic calibration management, which can be automatically managed with visual and acoustic alarms.
- Automatic and continuous check of: *date, time, volume set, real volume collected, alarms occurred, bags quantity requested, tubes quantity requested. Blood flow (ml/min), with digital setting of low and high flow values.* Visual and acoustic pre-alarm adjustable time to *monitor blood collection total time;*
- Automatic flow stop at the achievement of the preset volume with contemporaneous visual and acoustic alarm.
- External body in thermoformed self-extinguishing ABS

Technical Data:

Power supply:	External stabilized AC/DC transformer
Input:	100-240 Vac, 47-63 Hz 0,9-0,3A
Output:	24Vdc , 1.25A Max
Operating:	External power supplier or internal rechargeable batteries
Mixing cycle:	12 cycles/min.
Dimensions:	mm 310x290x175h
Net Weight:	3,5 Kg
Package dim.:	mm 350x480x330h
Gross Weight:	5,5 Kg

This device complying with the CEE directives: 93/42/CEE, 2006/42/CE, 2006/95/CE, 2004/108/CE and in accordance with the technical standards CEI 60601-1

HEDO2™



Blood Collection Scale HEDO2™

HEDO2™ is a digital scale for blood collection, designed to controlling and monitoring the blood collection process; intended to perform simple, accurate and reliable operations.

HEDO2™ has a simple and intuitive interface, with step-by-step instructions for managing parameters accessible and adjustable by soft and waterproof keypad, and with the rechargeable batteries, ensure the use in the mobile units and in the donation room.

HEDO2™ is equipped with an internal memory to store safely all the blood donations data. Using friendly software "Hedo2Management" allows the automatic management of data and detection of bar codes (ISBT128), while the system continuously monitors the donation with data transfer via RS232 or RS485 to the central database, allowing complete control of all donations in compliance with applicable regulations.

Large backlit graphic LCD display with continuous monitoring of the donation **and reading in real time during the donation, with the following information:**

- Weight (g) or Volume (mL) blood collected
- Set Weight or Volume of blood, grams or mL
- Collection time
- Collection progress
- Blood flow
- Date and hour
- Power status (battery an external power)

Design: **meziere idc**

Main Features

- Tube sensor and automatic check of the tube presence in the clamp during the collection.
- Waterproof keypad.
- Automatic mixing movement with possibility to change the frequency of the cycles
- Automatic tare of the bags
- Pause function for standby blood collection
- Visual and acoustical alarms for:
 - End of collection - Max elapsed time- Low or high blood flow - Battery level or charging status - unexpected increase of weight (i.e. undesired parts falling on the vessel, hits...)* - Casual escape of the tube from the clamp during the collection.
- Ability to set, before the donation, several parameters:
 - Measure in grams or millilitres - Weight or volume of blood - Barcode - Blood collection time - Frequency of mixing movement - Alarms for max and minimum flow - Date and hour.*

Technical data

Power supply	Battery operation for mobile use 8 hours autonomy - Integrated battery charger - External 12Vdc Medical Grade Power Supply (100 - 240 V ac 50 - 60 Hz). Can be attached to an automobile cigarette lighter.
Power consumption	Max 60 W
Weighing range	0 ÷ 999 g
Resolution	1 g
Weighing Accuracy	± 3 g
Operating temperature	10°C ÷ 40°C
Dimensions	315 (L) x 260 (W) x 150 (H) mm.
Weight	~ 4 Kg

This device complies with:
Directive MDD 93/42 EEC and subsequent amendments
Directive 2007/47/EC