

PM05

High-precision
Peristaltic Dispenser

XY500

Robotic Module



Dedicated to those who demand performance

PM05 Peristaltic Pump

- For the automated dispensing of:
 - Broth
 - Agar in plates
 - Tubes or flasks

The PM05 Peristaltic Pump automatically dispenses volumes from 1 ml to 500 ml with a high degree of accuracy.



It has an alphanumeric keyboard which, when combined with a printer, allows full integration within GLP-compliant laboratories.

User-friendly

- Easy to program using the menu-driven keypad
- Up to 20 programs can be stored in the memory
- Easy-to-load tubing makes the operation quick and easy
- Compact and easy to handle



Performance

- **Manual or automatic operation** : enter the quantity of doses to be dispensed and the interval delay time
- A standby mode keeps the culture media recirculated, thus keeping the media in suspension at the dispensing temperature
- Foot switch connection for an optimal performance adapted to the operator



Repeatable



- Precision of ± 0.1 ml for doses up to 20 ml
- Automatic calibration
- Calibration data can be individually saved in each program
- Anti-drip feature
- Ideal for 9 ml dilution tubes for laboratories which care about volume precision

Traceability (optional)

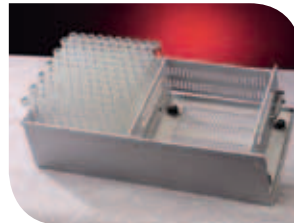
- A print-out of all dispensing parameters (batch number, user code, dispensed volume...) complies with GLP (optional printer)



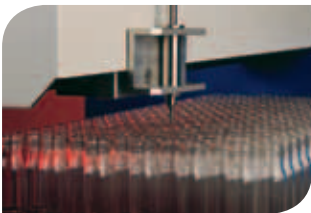
Let the XY500 save you precious time

■ User-friendly

- Two racks of 252 tubes each can be filled in the same cycle using dynamic loading directly from the original packaging
- 4 different 96 tube-racks are available



■ Reliable



- Automatic repositioning of the dispensing tip by stepper-motor ensures a greater accuracy and repeatability of filling

■ Versatile

The XY500 robotic module automates the filling of tubes (200 mm max. Height), bottles, impedance cells, etc.

- The standby mode keeps the culture media in suspension
- Switching from tube to bottle filling can be done in seconds

■ Productive

- Easy to program using the menu-driven membrane keypad.
- Program the XY500 with your specific settings in less than one minute (more than 1000 tubes/hour with 9 ml or 10 ml)

XY500 Robotic Module

Automated filling will set new organization standards in your laboratory.

When used in conjunction with the PM05 peristaltic Pump, the XY500 robotic Module automates the filling of flasks and bottles.

- Optimize the productivity of your laboratory with the XY500
- 500 tube capacity!
- Rapid, secured and customized programming



Productivity, Traceability and Safety

AES Laboratoire automated filling system is a cost-effective solution, replacing manual operations with equipment for rapid and accurate filling. Consisting of a high precision dispenser PM05 and a highly repeatable robotic module XY500, it ensures the automated filling of tubes, bottles, impedance cells, and other containers for greatly enhanced laboratory productivity.



THERE IS NO SUBSTITUTE FOR EXPERIENCE!

Specifications

PM05 High-precision Peristaltic Dispenser

- Dispensed volume from 1.0 to 9999 ml
- Dispense accuracy ± 0.1 ml for doses up to 20 ml, $< \pm 2\%$ over 20 ml
- Quantity of doses 1 to 999 in automatic mode
- Interval time delay 0.1 to 99.9 s
- Max. flow rate 850 ml/min
- Fast tubing change pump head with 3 rollers
- **Dimensions:** W x D x H: 280 x 220 x 150 mm
- **Weight:** 8 kg
- **Power:** 115/230V - 50/60 Hz

Ordering Information

AESAP1053: Pump PM05 Includes a foot switch and a complete set of tubing

Option:

AESDI0042A: Dot matrix printer

AESDI0042B: Listing paper (5 rolls)

XY500 Robotic Module

- **Tray dimensions:** W x D x H: 710 x 500 x 20 mm
- Positioning repeatability $> 99\%$
- Interface for PM05 connection: RS232
- **Overall dimensions:**
W x D x H: 710 x 650 x 450 mm
- **Weight:** 25 kg
- **Power:** 115 or 230 V (to be specified on your purchase order) 50/60 Hz

Ordering Information

AESAP1035: XY500 Robotic module includes one adjustable rack for 252 18 mm tubes, one waste tray and 2 dispensing tips

Settings:

AESXY0104: English language

AESXY0105: 115 V +/- 10 % power supply (factory mounting)

Accessories:

AESXY0072: 96 tube rack (18 mm)

AESXY0073: 96 tube rack (16 mm)

AESXY0074: 96 tube rack (14 mm)

AESXY0075: 96 tube rack (20 mm)

Prepare Culture Media Automatically with Masterclave® Preparators

Masterclave 09



Masterclave 528



Masterclave 60

