

VLB SERIES

HAND-FOOT-CLOTHING MONITOR



COMPACT | ERGONOMIC | PRECISE



COMECER
AN **ATS** COMPANY

VLB SERIES
HANDS-FEET-CLOTHING MONITOR

VLB-303-2 and VLB-303-2-ST

Small footprint, sturdy stainless steel surface
and detection technology based on reliable plastic
scintillators.

The operation of VLB-303-2 is based on scintillators specially designed to measure the isotopes that ermit high energy beta and gamma radiation used in Nuclear Medicine departments.

The VLB-303-2 model is one of the most inexpensive hand-foot-clothing monitors on the market. It uses two plastic scintillation detectors, a patented two sides sensitive hand detector and a single foot detector. The hand detector is removable so that it can be used to measure the clothing or to determine which foot has been contaminated.

The VLB-303-2-ST model adds a detector for the measurement of the activity in the stomach based on an end-filter GM tube and a NaI detector capable of measuring the activity in the thyroid.

- Small overall dimensions
- Maximum efficiency due to specifically designed scintillators for the Nuclear Medicine departments
- Made entirely of stainless steel
- Colour LCD touch screen display
- 19 pre-configured isotopes



Tc-99mSettings

Right hand only

Remove your left hand from the detector and place your right hand on the detector

Tc-99mSettings

Left hand only

Keep your left hand on the detector and remove your right hand from the detector

Tc-99mSettings

Hands are contaminated!

Sequence of screens in the event of **hand** contamination (VLB-303-2 model)

Tc-99mSettings

Feet are contaminated!

Your feet are contaminated. Take the clothing detector to find the contamination

Tc-99mSettings

Measuring...

0,1 Bq/cm²

Tc-99mSettings

Contaminated!

4,1 Bq/cm²

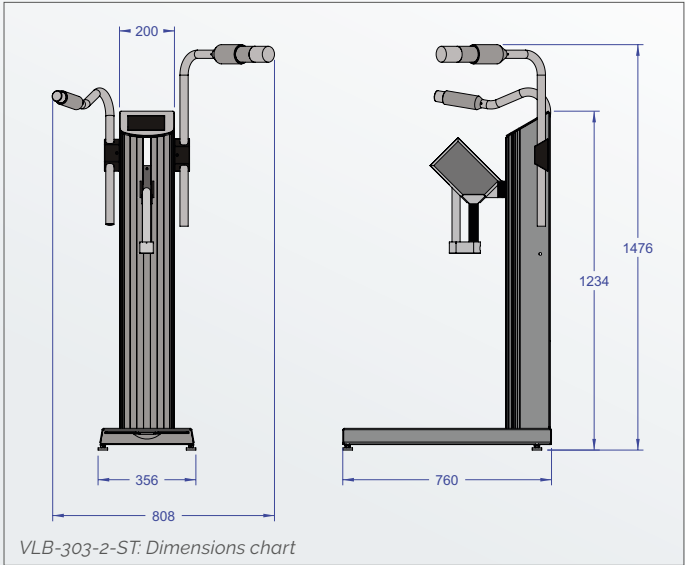
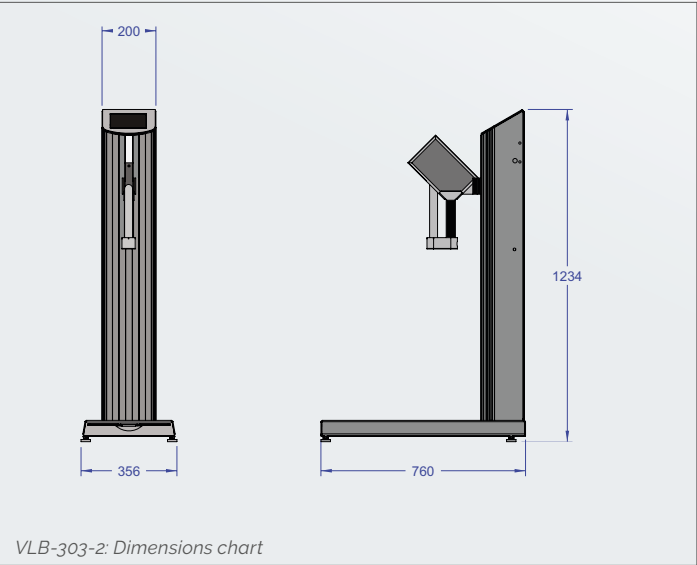
Sequence of screens in the event of **foot** contamination (VLB-303-2 model)

GENERAL FEATURES

Technical data

	VLB-303-2	VLB-303-2-ST
Number of channels	2, up to 10000 cps	4, up to 10000 cps
Hands detector	Plastic scintillator, 240 cm², sensitive on both sides	
Feet detector	Plastic scintillator, 1050 cm²	
Clothing detector	The hand detector functions as clothing detector when lifted from the VLB-303	
Thyroid detector	-	2" NaI
Stomach detector	-	6.1cm2 end window GM Tube
User interface	5.7" LCD, 640 x 480 pixels with touch screen colour display	
Parameter setting	Password protected	
Interfaces	Ethernet 1 Gbps	
Temperature range:	0 – 40 °C	
Relative humidity	Maximum 90% without condensation	
Power supply	15 W, 84 -264 VAC, 47 – 63 Hz	
Measuring time	Adjustable between 1 and 99 seconds	
Background measurement	Moving average with adjustable time interval (60-600 seconds)	
Minimum alarm	The minimum alarm is triggered when no pulse is received by one of the detectors within a 10 second period	
Contamination alarm	Adjustable for each detector between: 1 – 9999 cps 0.1 – 999 Bq/cm² (default setting 4 Bq/cm²)	
Dimensions	356 x 760 x 1234 mm (w x d x h)	808 x 760 x 1470 mm (w x p x h)
Weight	32 kg	43 kg

Overall dimensions



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HEADQUARTERS

COMECER S.p.A.
Via Maestri del Lavoro, 90
48014 - Castel Bolognese (RA) - Italy
t: +39 0546 656375 - f: +39 0546 656353
comecer@comecer.com - www.comecer.com



SUBSIDIARY COMPANIES

COMECER Inc.
5521 Meadowbrook Industrial Court
Rolling Meadows - IL 60008 - USA
t: +1 (847) 925-1238
serviceamerica@comecer.com

COMECER Netherlands B.V.
NL-8501 XC - Joure - The Netherlands
t: +31 (0) 513 41 69 64 - f: +31 (0) 513 41 69 19
info.nl@comecer.com

COMECER India Pvt Ltd
Office No.112-113, Veena-Beena Arcade, Gurunanak Road
Bandra (West) - Mumbai - India - 400050
t: (+91) 22 26423421 - f: (+91) 22 26423412



www.comecer.com