



COVID-19
FREE

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***Innovative
test station to
access the EPAs***

Patent pending

ESD Measurements:

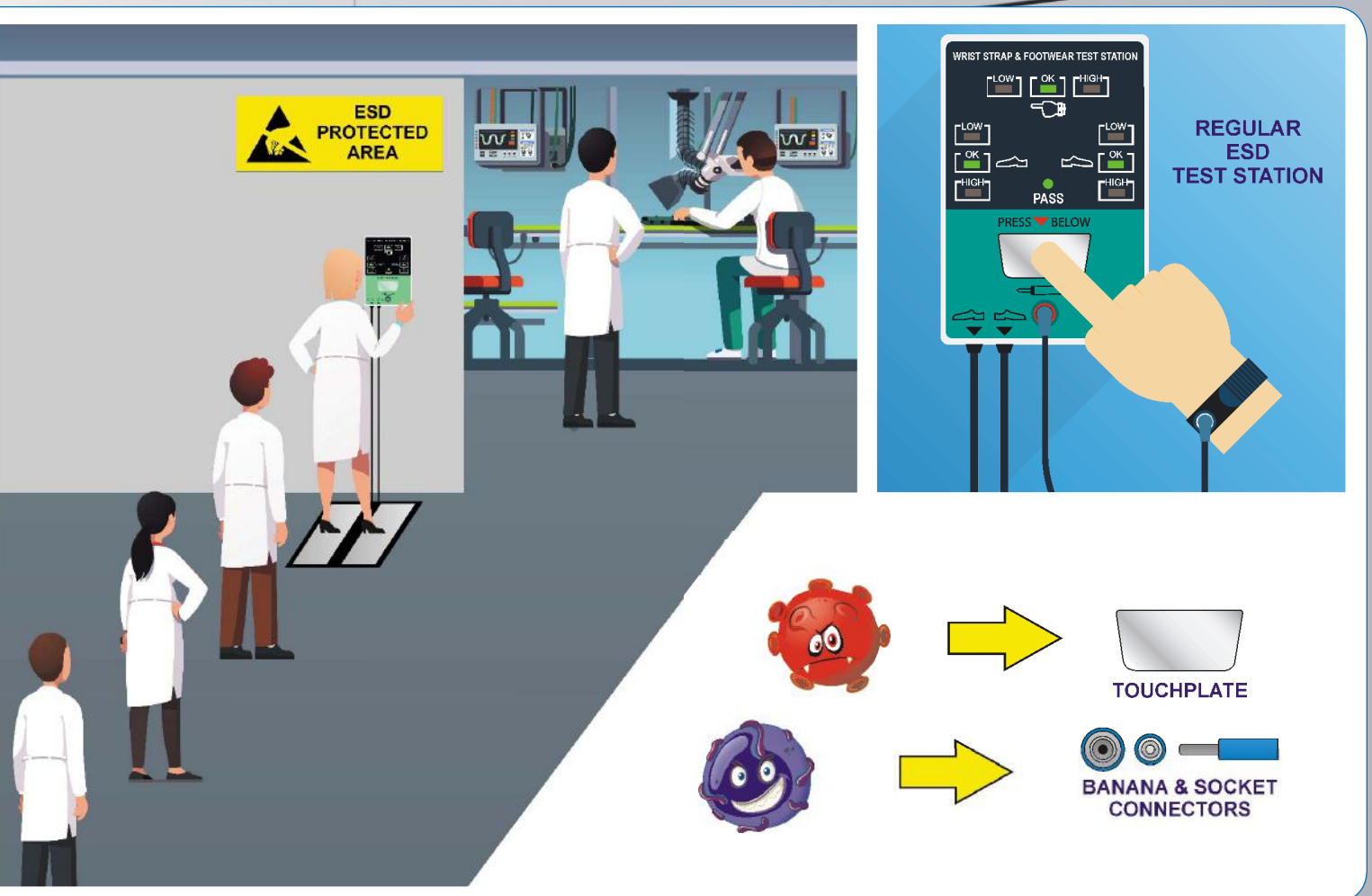
- Wriststrap
 - Shoes
 - Wriststrap & Shoes
 - Hands Free
- & the new Hands Free+ mode



In common ESD test stations the mainly “infection ways” through which viruses, bacteria or other pathogens can infect operators are:

- the touchplate, the high-voltage metal plate that everyone touches with his finger
- the input connectors of the bracelets (banana socket and snap buttons)

Therefore touchplate and the connectors of the bracelet, should be disinfected after each different operator's use.



The Wristlab-Pro test station is hygienically safe and doesn't need a constant disinfection after every use: in fact, each operator has his own personal touchplate and his own personal bracelet input connectors.

Code 9264.970

WRISTLAB-PRO instrument

There are usually four measuring modes in the ESD test stations:

- ONLY WRISTSTRAP
- ONLY FOOTWEAR
- WRISTSTRAP & FOOTWEAR
- HANDS FREE (HF); the touchplate is not used, the measurement current flows from one foot to the other, and the sum of the resistances of the two shoes is measured.

5 measuring modes:



WRISTSTRAP



FOOTWEAR



WRISTSTRAP & FOOTWEAR



HANDS-FREE (HF)
& THE NEW

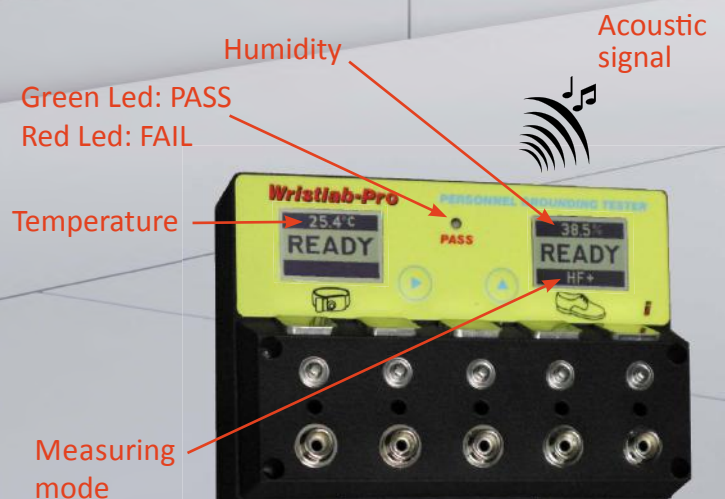
HANDS-FREE PLUS (HF+)



The WristLab-Pro introduces an additional measuring mode called HANDS FREE PLUS (HF+).

In the HF+ measurement, the operator initially tests the footwear in Hands Free mode and then decides whether to get off the platform and finish the test or insert the wriststrap connector and touch its own metal-plate in order to make a "WRISTSTRAP & FOOTWEAR" measurement.

HF+ offers a more flexible solution, under the responsibility of trained operator.



Wristlab-Pro is the instrument for simultaneous verification of correct grounding of the wriststrap and of the footwear in accordance with the IEC 61340-5-1 standard. The wall anchoring through magnetic feet that allow quick release from the station and the possibility of internal power supply with a 9V battery (not included), make the instrument portable and easy to calibrate.

The instrument has these features:

- Extremely clear and intuitive interface. At the end of the personal protection measurements, the left display shows the resistance measured on the wriststrap, while the right display shows the resistance of the footwear. If the test (PASS) is passed, the LED in the center lights up green. Otherwise, if the test (FAIL) is not passed, the LED lights up red. A beep is also emitted to better differentiate if the test result is PASS or FAIL.
- It has an internal thermohygrometer to know the environmental RH/T values which are fundamental parameters to better evaluate the results of the measurements.



Code 9264.974

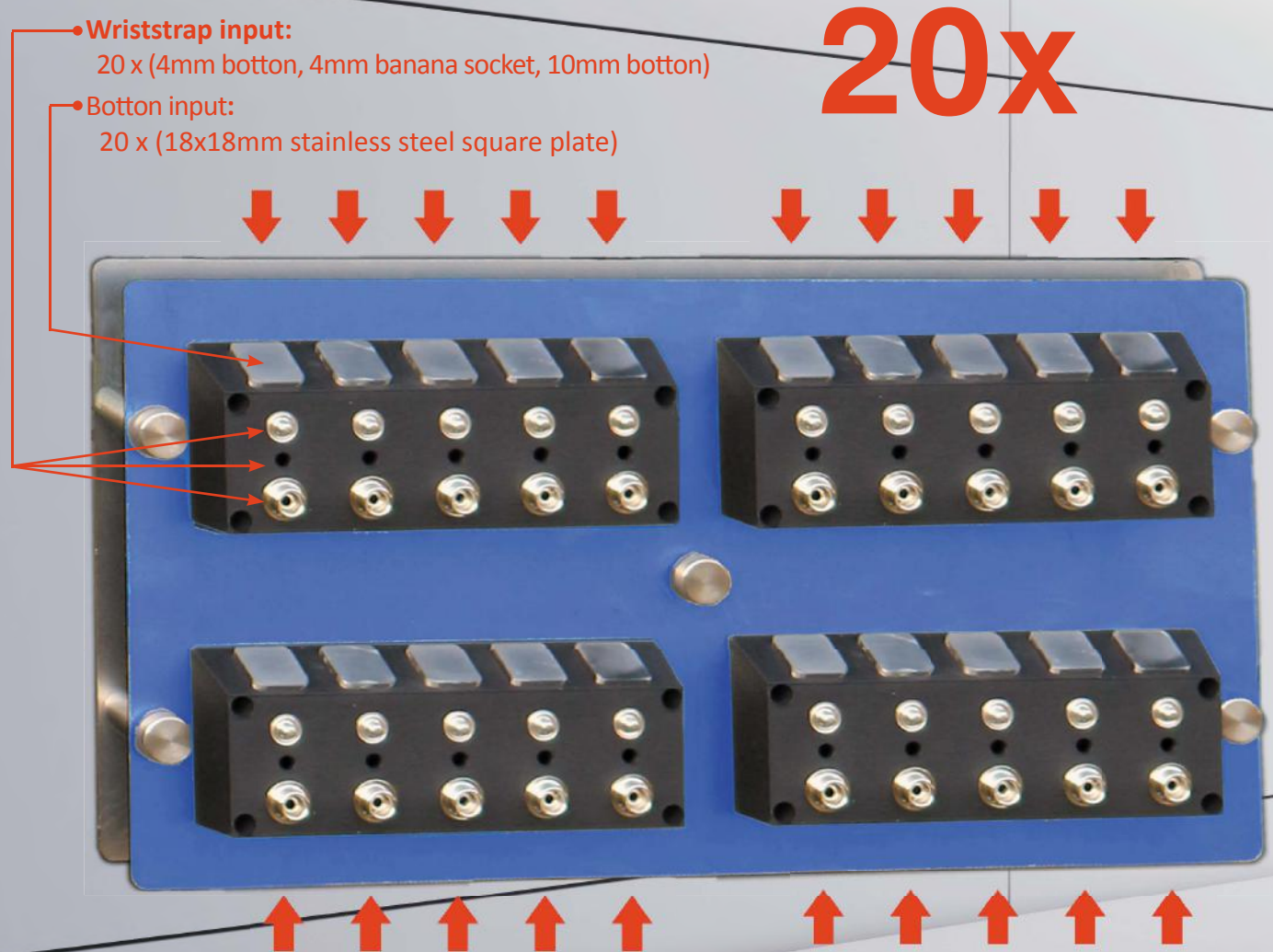
EXPANSION MODULE option for WristLab-Pro

These modules are used to increase the available entries by 20 unit/each.

For example, by adding 3 of them, you get a total of 60 extra entries available, in addition to the 5 embedded in the instrument, which could be reserved for convenience to external visitors.

Each entry consists of:

- 18x18mm touchplate in stainless steel
- 4mm button for connection to the wriststrap
- 4mm banana socket for connection to the wriststrap
- 10mm button for connection to the wriststrap



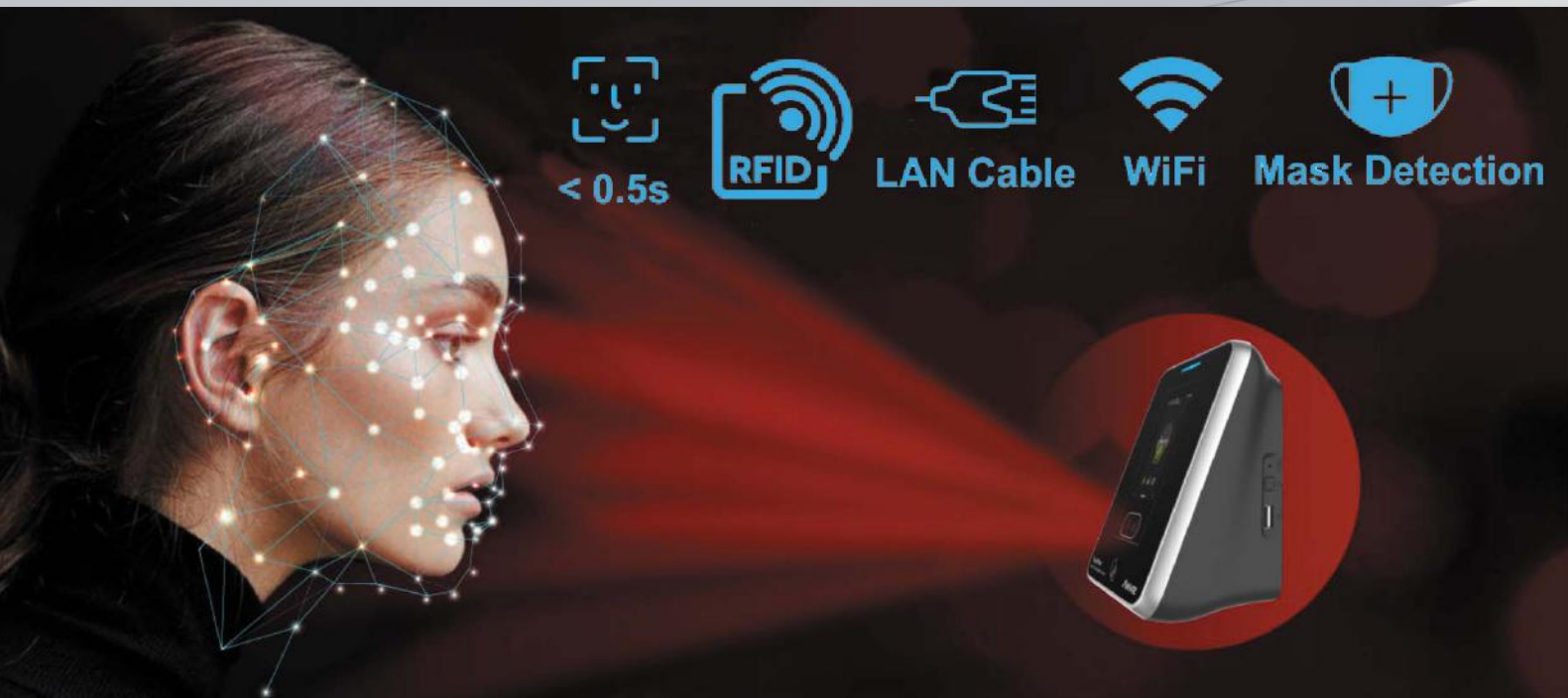
Panel dimensions: 368mmx200mm

The Expansion Units are elegant blue panels; above each entry there is a suitable space to fit a sticker with the name or identification number of the associated operator.

They are spaced from the wall so that all the connecting cables can pass comfortably and hidden behind them.

Code 9264.976

RECOGNITION MODULE option for WristLab-Pro



Facial recognition uses two high-definition infrared cameras that allow identification even in low light conditions.

It is functional to all users regardless to their skin complexion, facial expression, beards and hairstyles, and the possible presence of the mask.

The Recognition Module complies with the General Data Protection Regulation (EU) 2016/679 (G.D.P.R.), in fact this biometric device uses a special algorithm to encrypt biometric data in a non-reversible way.

FAR $\leq$ 0,1%.

Identification Time: typical 0.5s

RFID Card: Standard EM, optional Mifare

Display: 3.2" HD TFT Touch Screen (capacitive).

Output: TCP/IP, Wi-fi integrated, USB Pen drive used for biometrical data backup.

CPU: Dual-core 1.0GHz.

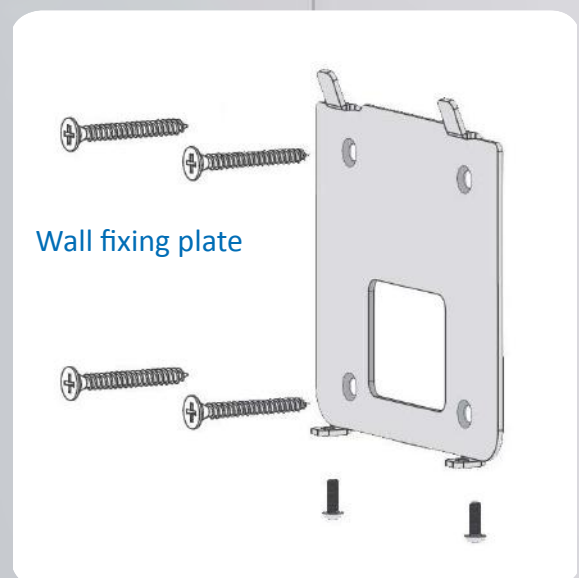
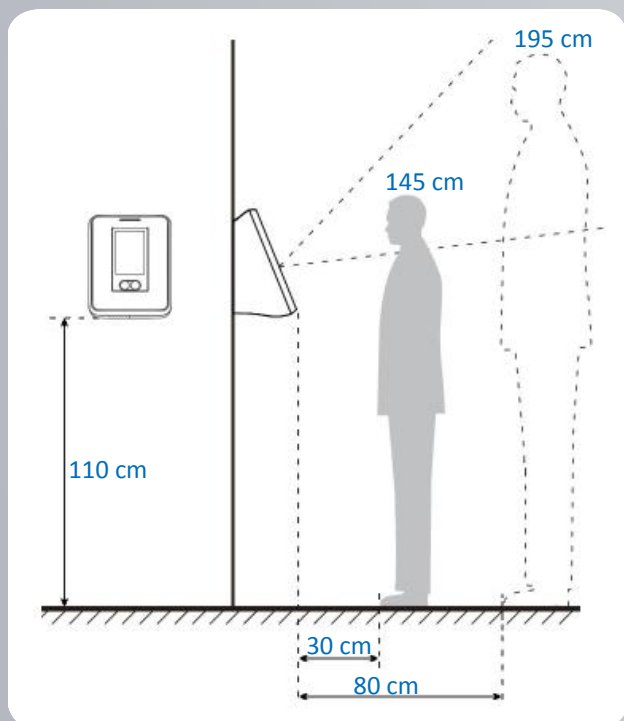
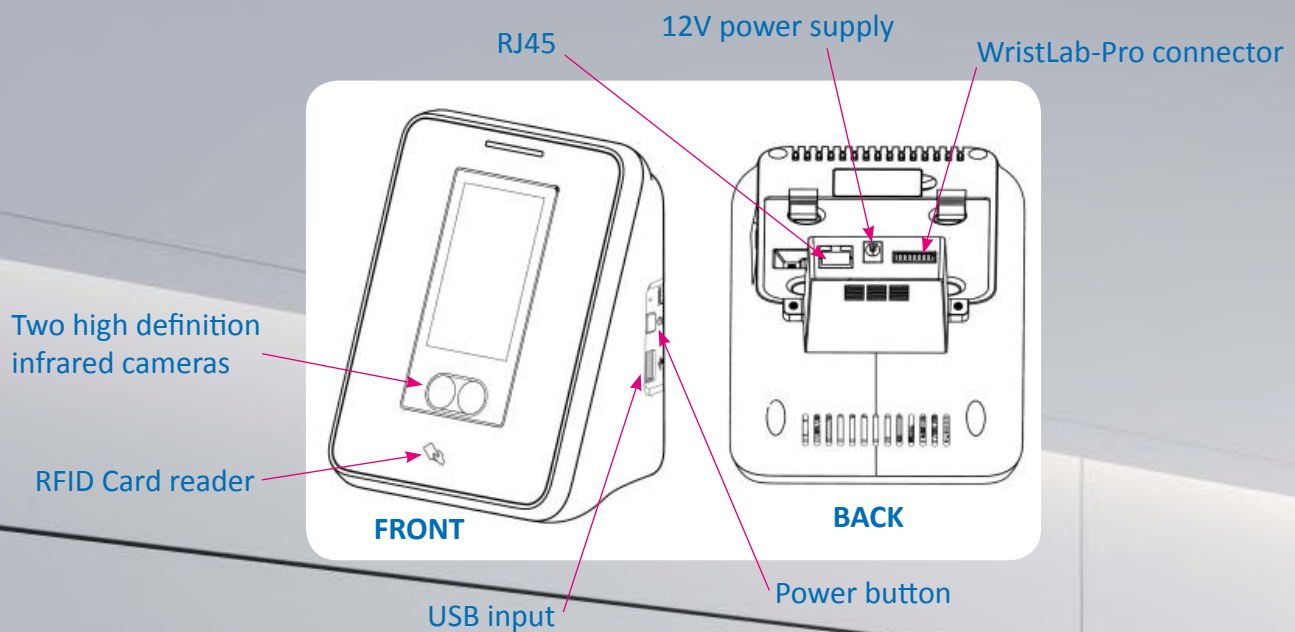
Operating voltage: DC 12V

Dimensions (W x H x D): 124x155x92 mm.

User Max Capacity: 300, each identifiable by face, card or password. Each user is associated with one of the 10 different profiles that can be set. These 10 profiles, fully configurable, contain various information such as: type of

measurement (Wriststrap, Shoes, Wriststrap & Shoes, Hands Free, Hands Free +), lower and upper thresholds of the limits (values between 50K Ω and 2G Ω), relay output settings etc.





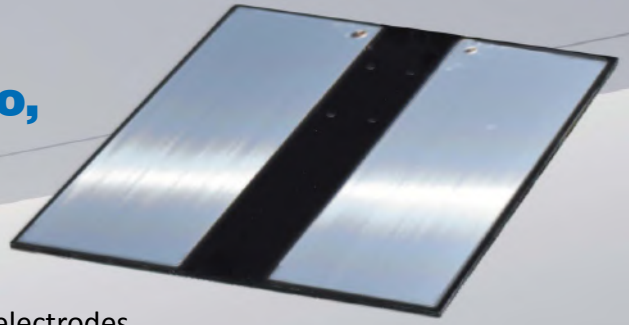
The EPA Access Manager Software is included in the Recognition Module 9264.976

This software, with all its future updates, is freeware and works on PCs running Windows 10/8/7/XP.

Each Recognition Module can communicate with one or more EPA Access Manager applications running on one or more PCs. This allows to have several Test stations in a single company, managed simultaneously by different administrators.

All operations performed by the software occur in the background. So far the Test Station can continue to enable accesses even during the download of the access report to the PC. In practice, the Recognition Module and the WristLab-Pro work even during a disconnection to the LAN network and they don't require any PC server software always running.

Cod. 9264.965 FOOTPLATE option WristLab-Pro, for shoes measurements



Insulated platform with stainless steel electrodes

- Total dimensions 390 x 390 mm
- Single electrode size 147 x 377 mm

Example of possible TestStation configurations

