microtronics®
Professional Instruments



BLUEFORCE
SMART PRO

INSTRUMENT FOR MEASURING THE CRUSHING AND IMPACT FORCE OF AUTOMATIC DOORS AND GATES EN16005 EN12453

AUTOMATIC SENDING MEASUREMENTS GSM NETWORK

INTEGRATED GPS GEOLOCATION

CROSS-PLATFORM VISUALIZATION

BlueForce Smart Pro, produced entirely in Italy by Microtronics, is a unique instrument of its kind, conceived and designed specifically to perform the measurements of crushing and impact force of automatic doors and gates according to the UK and European Standards (DHF-TS, EN12453, EN60335-2-95, EN16005, ASR A 1.7)

Blueforce Smart Pro uses the latest wireless technologies to express maximum **ioT** (internet of Things) connectivity. With the **GSM** interface it can quickly communicate with any device connected to the web without compatibility problems (such as PCs, smartphones, tablets etc.)

BlueForce Smart Pro automatically sends the data to the remote server, accessing the **Web platform** created specifically for operators in the sector, who will be able to assign the measurements made on site, directly in the **Microtronics "BlueForce Cloud"** portal, which, besides chronologically collecting all the measurements sent, includes also the management and development of documentation for the **Technical File** (only for EN 12453), as well as the draft of the **Risk Assessment**.

INTEGRATION WITH THE PORTAL*

BLUEFORCE CLOUD

*services available by subscription except for ongoing promotions

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TRAINING COURSES PROGRAM

The new **BlueForce Smart Pro**, developed thanks to the constructive observations of the many customers who took part in Microtronics **training courses**, today represents the maximum technological evolution of the pioneering BlueForce, chosen by thousands of professionals throughout Europe for the force measurements on automatic doors!

In addition to the data of the measurements made on site, BlueForce Smart Pro sends additional information, such as the **physical orientation** of the instrument (horizontal / vertical) and the GPS geographical position.

The hardware has also been further strengthened, in fact the processor is faster and the **battery is now rechargeable** lithium-ion.

Thanks to the Smart Pro functions it is possible to assign the **reference of the measuring point "in situ"**, as indicated in the Regulations.

With a simple setting it is possible to obtain the evaluation of the parameters **according to the EN12453 standard** (test passed / not passed).

It is possible to use the instrument to test the continuous push force (e.g. panic bars), using the **additional dynamometer measurement function** with the direct indication on the display.

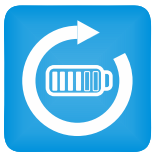
The firmware of the internal processor of the instrument can be **updated wirelessly** via web with automatic download from the remote server.

The previous features have been preserved, in fact it is possible to use the instrument in stand-alone mode: thanks to the internal memory, the BlueForce software supplied and the wireless printing with the receipt printer (optional).

For all the owners of the previous instruments it is possible to **Upgrade the Hardware** to have their instrument updated with the same characteristics of a new one.



RECOGNITION OF POSITION



RECHARGEABLE LI-ION BATTERY



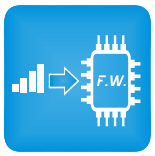
MEASUREMENT POINT STORAGE



EVALUATION OF MEASUREMENTS ACCORDING TO EN12453



DYNAMOMETER AUXILIARY FUNCTION



OVER-THE-AIR FIRMWARE UPDATES



FTP THERMAL PRINTER



UPGRADE SMART PRO FOR ALL PREVIOUS INSTRUMENTS

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