

# UNIMET® 810ST

... worldwide safety for medical electrical equipment



# UNIMET® 810ST

## Bender quality

For over 30 years, "Bender Tester" has been a well-known term for quality and long life cycle in the area of fully automated electrical safety testers. "UNIMET®" became the brand name.

UNIMET® 810ST – compact design –  
"Made in Germany"; the user-friendly one  
amongst the safety testers.



## Unique in the global market

The first and only safety tester which automatically compares the "reference values" with later measurements according to the standards. UNIMET® 810ST allows to define your own test procedures. Device history protocols (log book) can be managed by means of the free add-on PC software.

## Features

- The Windows user interface provides an easy-to-use solution
- Data exchange and memory via Control Center
- Automatic, semi-automatic and manual test sequences
- Data input via touch screen, keyboard or barcode scanner
- Visual inspection, electrical safety and functional test user-definable
- Test sequences user-definable
- Data memory > 10.000 data records
- Filter function for fast data selection
- Management of test dates
- Multitenancy
- Catalogue system
- Test probe with two switching contacts for semi-automatic testing of conductive parts not connected to PE



# Standard-compliant

## Standard compliant tests acc. to:

- IEC 60601-1, 3rd Edition \*
- IEC 62353:2014
- DIN EN 62353 (VDE 0751-1):2015-10
- IEC 61010-1:2011-07 \*
- ÖVE/ÖNORM EN 62353:2009-01
- DIN VDE 0701-0702:2008-06
- ÖVE E8701-1:03-01

## Standard-compliant measurements

- PE conductor resistance
- Insulation resistance
- Earth leakage current
- Protective conductor current
- Equipment leakage current
- Touch current
- Touch voltage
- Direct measurement method
- Differential measurement method
- Equipment leakage current-alternative method
- Applied part leakage current-alternative method
- Applied part leakage current AC and DC
- Patient auxiliary current AC and DC
- Applied part leakage current – mains voltage on F-Type

## Wide variety of interfaces

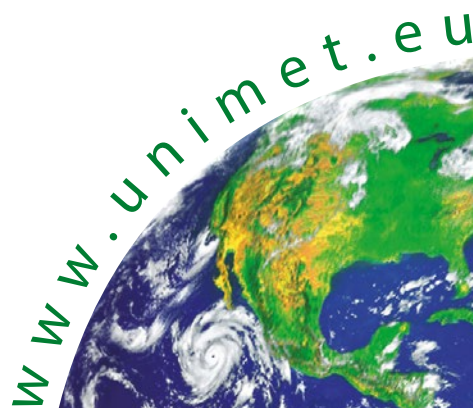
- RS-232 interface
- USB port for printer, scanner, keyboard and USB stick connection
- PS/2 port for scanner and keyboard
- Network connection via Ethernet (optional)

## Standard accessories

- Carrier bag of robust design and universal carrying concept
- Measuring lead with test probe
- Measuring lead with test clip
- Null-modem cable
- VK701-7 for testing non-heating devices
- Data transfer software UNIMET® Control Center

## Service

- 36-month calibration interval
- 36-month warranty
- Software updates to be always up-to-date



\* These standards can be activated as a licence in the basic device.

# UNIMET® – The user-friendly solution



**UNIMET® 810ST – 25 A Version**  
The test system for manufacturers of medical devices



**UNIMET® 810ST**  
The test system for service purposes



**UNIMET® 400ST**  
The lightweight version for mobile applications



**UNIMET® 300ST**  
The test system for electric beds and electrical equipment in compliance with accident prevention regulations. (DGUV Vorschrift 3 Germany)



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