



**SECULIFE** | **ST**  
SAFETY | TESTER S3

# PUTTING YOUR MEDICAL DEVICES TO THE ACID TEST

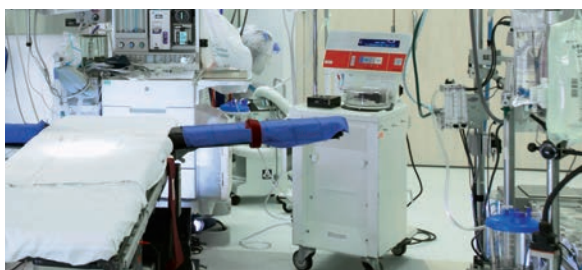


**SECULIFE**<sup>®</sup>  
PREMIUM CLASS TESTING DEVICES FOR MEDICAL TECHNOLOGY

# SAFETY TESTER S3

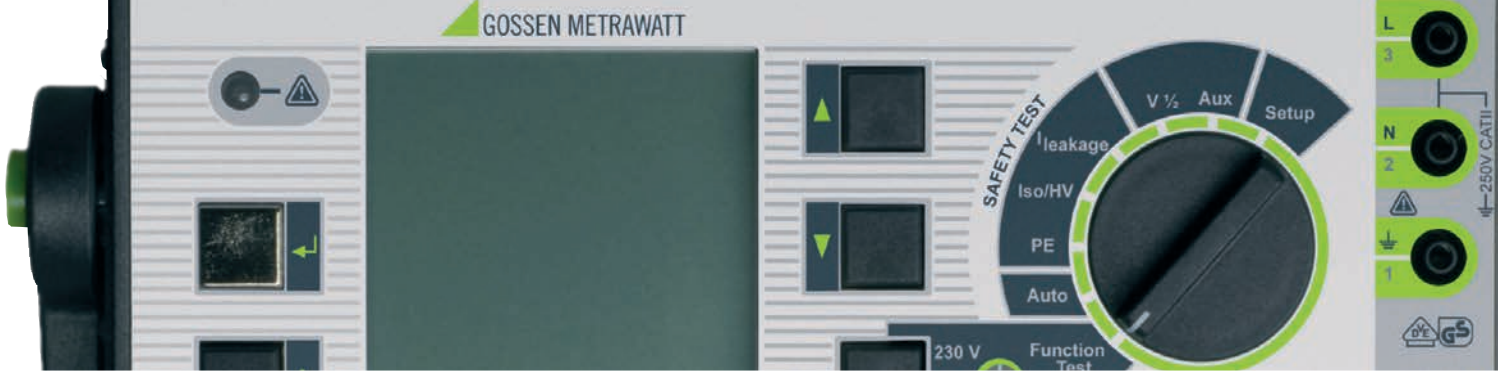
AS A MULTIFUNCTIONAL TEST INSTRUMENT, THE SECULIFE ST IS IDEALLY SUITED FOR PERFORMING AND DOCUMENTING MEASUREMENTS AT MEDICAL DEVICES. IT ALLOWS FOR PRECISION TESTING OF PORTABLE MEDICAL DEVICES, AND CAN ALSO BE USED FOR LARGE DEVICES SUCH AS X-RAY EQUIPMENT AND MRI SCANNERS.

All safety relevant, characteristic electrical values can be measured and documented for portable and stationary medical devices with the menu-driven SECULIFE ST. And you even have the choice between fully automated or manual test sequences. The SECULIFE ST detects mains supply power, safety class and mains connection errors at the device under test. It can execute measurements in accordance with applicable standards fully automatically, thus significantly simplifying the test sequence: select the regulation, press the start key, read the results. Complete function tests can be also conducted with mains power for powerful, large devices with the integrated test socket. The SECULIFE ST is equipped with an operator safety switch. The SECULIFE ST is the only measuring instrument available on the market which has been designed to test medical devices operated with 3-phase electrical current. AT3-III-E and AT3-II-S 3-phase current adapters can be furnished to this end as optional accessories. Possible areas of use and measurements performed with the SECULIFE ST are expanded with numerous multimeter functions. The performance of individually configured single measurements is thus made possible. As a standard feature, the SECULIFE ST is equipped with an RS 232 port for transferring measurement and test reports to a PC or a printer. The instrument can be optionally expanded to include a printer-memory-interface with GOSSEN METRAWATT's external (P)Si module. The SECULIFE ST is compatible with PS 3, visualFM, Fundamed, MD Data, PC doc Word/Excel, PC doc Access and other software packages.



## FEATURES

- Protective conductor resistance with 200mA and 10A or 25A test current
- Insulation resistance
- Earth leakage current
- Contact current (housing leakage current)
- Patient leakage current, AC and DC
- Patient auxiliary current
  - Equivalent leakage current method
  - Direct measuring method
  - Differential current measuring method
- Up to 10 application parts can be connected (2 mm) individually assigned to groups
- Internal memory for 125 tests
- RS 232 port
- Mains connection for 110V / 60 Hz, 230V / 50 Hz



## MODEL:

No matter whether you compile your Seculife ST quite simply according to your own special requirements or whether you decide on one of the tried-and-tested preferential types, you always get exactly what you need.

## ELECTRICAL SAFETY TESTING

- Electrical medical devices per IEC 62353 and IEC 60601
- Electrical equipment per DIN VDE 0701-0702
- Routine tests in production, e.g. per IEC 60601, IEC 60950, IEC 61010, etc.



## FEATURES

TYPE	COMBINATION OF FEATURES	ARTICLE NUMBER
› SECULIFE ST / SECULIFE ST HV	› Selectable test current 200 mA DC and 10 A AC or 200 mA DC and 25 A AC, high-voltage test up to 6 kV DC possible, test procedures for IEC 60601 and other standards	› M6930-(via Features)
› SECULIFE ST	› Test instrument with test current 200 mA DC and 10 A AC; › Procedures for IEC 61010, 60335, 60950, 60601; › Data memory for up to 125 tests; › Recognition of probe at protective conductor; › „Direct print“ function after each measurement	› M693A
› SECULIFE ST	› same as M693A, but for international use with adapter kit for mains connection in the respective user country and English user interface	› M693B
› SECULIFE ST HV	› same as M693A, but with 200 mA DC and 25 A AC test current as well as additional high-voltage test of max. 6.126 kV DC (approx. 4 kV AC)	› M693C
› SECULIFE ST HV	› same as M693C, but for international use with adapter kit for mains connection in the respective user country (when adapter is used: high-voltage test with max. 1.5 kV DC) and English user interface	› M693D



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 **GOSSEN METRAWATT**  
Safety through Competence

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