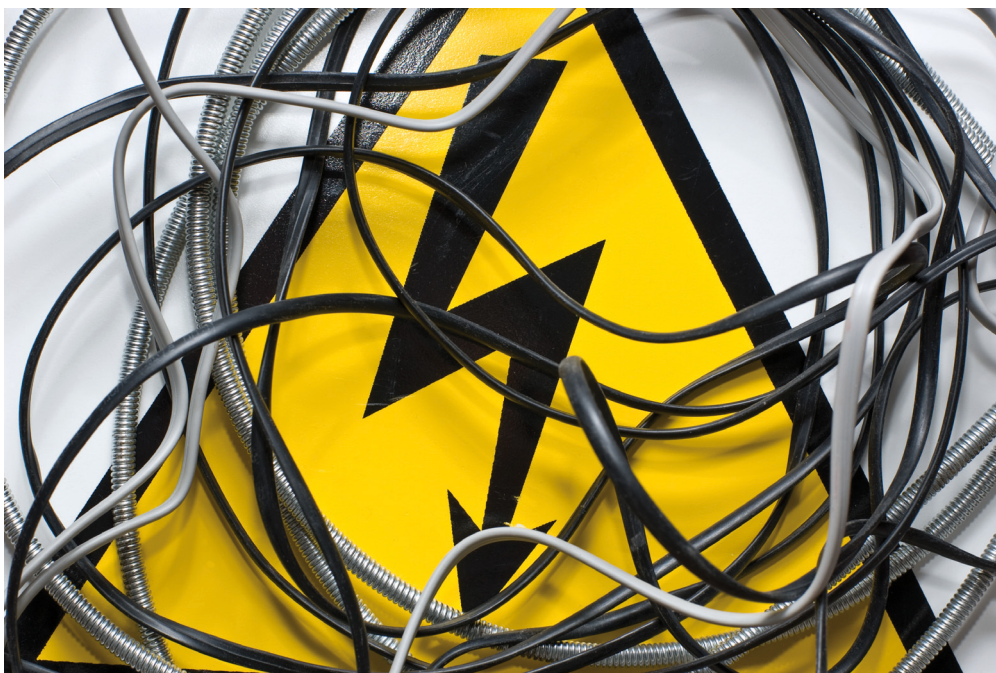




## ***FST-110 High Voltage Tester***

**FST-110** is a microprocessor controlled fully programmable High Voltage Test device for dielectric strength testing using 0 to 5kV AC or DC with full floating output with a rated 500VA (100mA). It incorporates all necessary functions for dielectric strength testing and additional features for more automated testing.

- Very quick calibration with exchangeable measuring module
- A very sensitive and adjustable partial discharge detector
- Single flywheel knob in manual or auto-matic mode
- Alphanumeric display for easy programming
- Last measured value shown on the display and saved
- Time controlled adjustable ramp and dwell
- Reliable mA level measurements
- Interfaces USB, Ethernet, RS232, GPIB



## ***FST-110 High Voltage Tester***

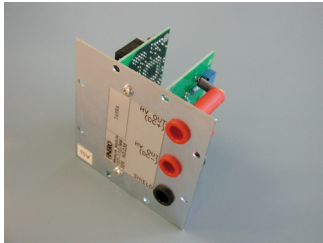
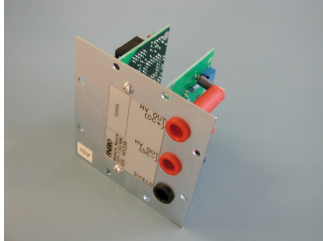
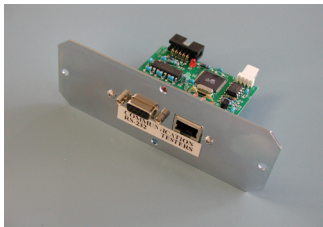
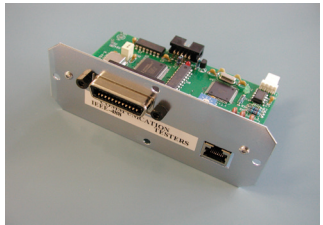
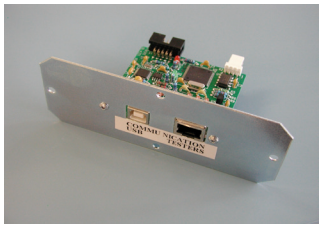
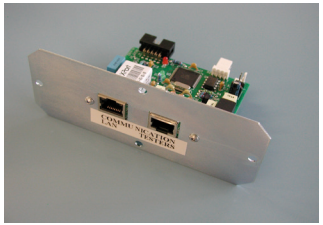
Technical Specification	
Input	230V or optionally 115V AC; 50Hz / 60Hz; 650VA
Output	Range: 0 - 2500V AC or 0 - 5000V AC
Optional	DC output
Maximum test current	100mA
Maximum test apparent power	500VA
Measurements	True RMS for I and U
Accuracy	± 0.5% from the range plus 5 digits
Analog Display	± 2% from the range
Measuring Ranges	
Standard	10mA / 100mA
Optional	2mA / 10mA
Timer function	
Timer ON	1 - 60s, 0.1s steps
Timer OFF	To be defined by the user or software program, t >60s
Ramp function	Ramp up and/or down
selectable range	5 - 30s, No ramp = 60ms
Partial discharge detector	OFF or relative sensitivity adjustable 1 - 100
External connections	
Input 24V DC	Start, Stop, External safety loop, 2 programmable inputs
Output, closing relay	Test On, Test Failed
Output, change over relay	Discharge
Output NPN 24V DC / 100mA	2 programmable
Auxiliary power	24V DC, max. 100mA
Interfaces	GPIB, Ethernet, RS-232, USB
Dimensions	483mm x 410mm x 148mm (w x d x h)
	Rack19", 3U, 133mm without feet
Weight	23kg

### **ORDERING INFORMATION**

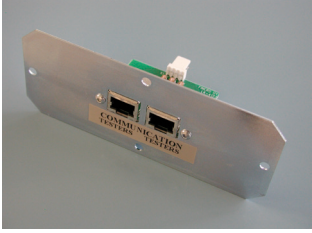

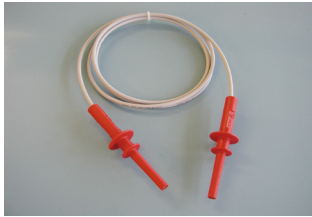
Product Name	Art. No.
FST-110 AC output, 2mA/10mA range	5408
FST-110 AC output, 10mA/100mA range	2746
FST-110 AC/DC output, 2mA/10mA range	5681
FST-110 AC/DC output, 10mA/100mA range	5680
Measuring module 2mA/10mA range	3362
Measuring module 10mA/100mA range	3938

*All specifications are subject to change without notice*

## *FST-110 High Voltage Tester - Optional equipment*

Picture	Description and Type	Article No.
	<b>FST-110-MM</b>  Measuring module for FST-110 Measurement current range 10/100mA Both for DC and AC measurements Needed with the FST-110 High Voltage Tester	3938
	<b>FST-110-MM 2/10mA</b>  Measuring module for FST-110-MM 2/10mA Measurement current range 2/10mA Both for DC and AC measurements Needed with the FST-110 High Voltage Tester	3362
	<b>FST RS-232</b> Interface RS-232 for FST Series  - Baud rate 19200, 8, N, 1 - RS-232 connector: D-9 female - RS-485 connector CAT 5 female	2752
	<b>FST GPIB</b> Interface IEEE-488 for FST Series  - IEEE-488.1-1987 and HS488 compatible - self adapting - 24 pole female connector - RS-485 connector CAT5 female	2753
	<b>USB Interface for FST Series</b>  - USB 1.1 and 2.0 compatible - USB connector type B female - RS-485 connector CAT5 female	2159
	<b>Interface Ethernet for FST Series</b>  - 10 / 100 Mbit Ethernet compatible - Ethernet connector CAT5 female - RS-485 connector CAT5 female	5458

## ***FST-110 High Voltage Tester - Optional equipment***

Picture	Description and Type	Article No.
	<p>Interface Tester to Tester to FST Series</p> <p>2 pcs CAT5 female connectors for other FST-series testers</p>	5397
	<p>High Voltage pistol with connector SP-02 2m cable</p> <p>High Voltage pistol with connector SP-02 5m cable</p> <p>High Voltage pistol with connector SP-03 2m cable</p> <p>High Voltage pistol with connector SP-03 5m cable</p> <ul style="list-style-type: none"> <li>- Conforms to CE, according to EN 50 191</li> <li>- Operating voltage 10 kVDC / 8 kVAC max</li> <li>- Test voltage 21 kVDC</li> <li>- Connection via highly flexible safety cable</li> <li>- Wear-proof tungsten test prod</li> <li>- Teflon - guard ring</li> <li>- Integrated start key only in SP-03</li> </ul>	<p>1431</p> <p>2757</p> <p>3887</p> <p>2758</p>
	<p>High Voltage Test Lead 1,5m, red</p> <p>High Voltage Test Lead 1,5m, black</p> <ul style="list-style-type: none"> <li>- Max voltage    5000V CAT I                           (Transient overvoltage 2000V)                           1000V CAT III</li> <li>- Max current    10A</li> <li>- Conformity    IEC 61010-031, A type probe.                           LVD 93/68/EEC.                           Reinforced insulation</li> </ul>	<p>2913</p> <p>2912</p>

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