

Heavy Duty AC Voltage Spark Tester Systems

AST L 15.130.200 ■ **AST L 25.130.200** ■ **AST L 40.150.200**



AST L-19RI-SP



The spark tester is designated for detecting bare patches and faults in the insulation jacket. Spark testers are typically used at the end of extrusion lines or rewinding processes.

A system comprises an electrode unit with high voltage transformer **and a control and display system**, available in different versions and assemblies. The test voltage can be adjusted continuously. The applied high voltage on the electrode, is continuously displayed accurately.

ZUMBACH AST spark tester systems are built according to CEN/CENELEC, UL, NEMA, CSA, UTE, BS, VDE ...

Electrode Units

Two configurations are available :

- **Compact version:** built-in electronic unit
- **Separated version:** operating/control and display unit at a remote place (up to 50 m)

Main features:

- Electrode upper part with bead chains
- Electrode part with U-trough and support roller
- Protection cover for opening upwards
- High voltage transformer built into the socle



Electrode unit	AST.15.130.200	AST.25.130.200	AST.40.150.200
Max. test voltage	15 kV	25 kV	40 kV
Max. test current	10 mA	10 mA	10 mA
Dimensions LxWxH	940 x 666 x 1220...1340 mm		1500 x 826 x 1345...1490 mm
Max. cable diameter	130 mm	130 mm	150 mm
Electrode length	200 mm	200 mm	200 mm

▪ Technical specifications are subject to change without notice

Operating/Control & Display Unit - AST L-19RI-SP



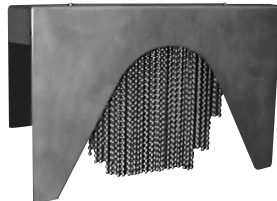
Operating/control and display unit in separate 19" drawer (3 HU ¹⁾), with the following main features:

- SP Operating unit, as a 1/2-19" drawer, for ZUMBACH spark testers of the series **AST L**
- RI Control interface, as a 1/2-19" drawer (blackbox)
- Digital display for current test voltage and faults
- Internal commutation for "EXTRUSION" or "REWIND" operation
- Internal commutation for manual or automatic switching OFF of the test voltage
- Internal commutation for fast or slow fault resolution
- Display accuracy: better 1.5 % related to the max. value
- Number of faults remains after the switch off
- Selection key "ACTUAL - NOMINAL" voltage for the display
- Test voltage adjustment with turning knob
- Fault counter with counter reset
- Fault confirmation button "CANCEL"
- Input for remote alarm confirmation
- Input for remote suppression of the test voltage (e.g. line start-up, automatic reel change etc.)

¹⁾ HU = Height Unit (1HU = 44.45 mm)



Accessories

<u>Description</u>	<u>Part no.</u>	
19" standard case (3HU) For the mounting of the 19" electronics at a remote place.	A32 100 0330	
19" front panel with state indicating lamp Replaces the operating/control and display unit in the heavy duty electrode housing in case of a remote mounting of the unit.	AST.152.930	
Discharge electrode Replaces the rubber butings at the product entrance and exit of the heavy duty electrode unit.	AST.152.920	

For separated positioning of the electronics :

Connection Cables ▪ between electrode unit **AST L** & operating/control and display unit **AST L-19RI-SP**

Length	Part no.	Length	Part no.
1 m	AST. 9000.50010	20 m	AST. 9000.50200
1.8 m	AST. 9000.50020	25 m	AST. 9000.50250
3 m	AST. 9000.50030	30 m	AST. 9000.50300
5 m	AST. 9000.50050	35 m	AST. 9000.50350
10 m	AST. 9000.50100	40 m	AST. 9000.50400
15 m	AST. 9000.50150	50 m	AST. 9000.50500

Options

Voltage stabilizer **A 14 540 4000**
 Recommended for mains with important voltage variations.

Warning lamp upon request

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