

## BS-I/BS-A Voltage Detectors

### Product Features

- Designed according to IEC 61243-1 (VDE 0682-411), Category S
- Voltage detector for nominal voltages from 5–30 kV, switchable
- BL-I: indoor type 🏠
- BL-A: outdoor type 🏠 ☔
- Voltage indication visual 👁️  
or visual and audible 👁️ 🔊
- Built-in self-test function  
including test of the probe tip for function check before using the device

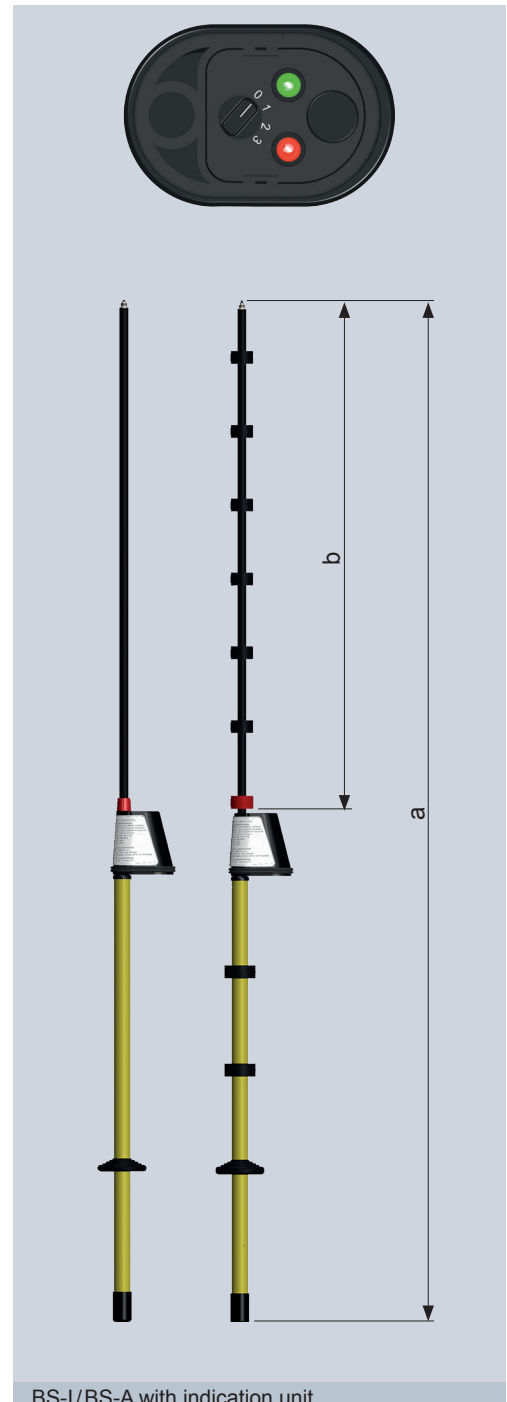
BS-I/BS-A devices are single-pole voltage detectors of the Comet series. They are designed to detect operating voltages clearly indicating the "Voltage Present" or "No Voltage Present" state.

The turning knob is used to either turn the device off or select between three voltage ranges:

0:	OFF
1:	5–10 kV
2:	10–20 kV
3:	20–30 kV

For transportation purposes, the insulating element can be removed from the display unit with the contact electrode.








According to the German accident prevention standard DGUV Regulation 3 (Table 1c), the device is subject to maintenance tests with minimum intervals of at least 6 years.



BS-I/BS-A with indication unit

## BS-I/BS-A Voltage Detectors

Technical Data	BS-I	BS-A
Use	In dry conditions, normally indoors	In dry and wet conditions, either indoors or outdoors
Indication	<ul style="list-style-type: none"> <li>Visual: 1 red LED/1 green LED</li> <li>Visual and audible: 1 red LED/1 green LED/1 signal transmitter</li> </ul>	
Nominal frequency	50 Hz (optional 60 Hz)	
Power supply	2 lithium cells, each 1.5 Ah, 2 x 3 V, Battery service life: 6 years based on 10 ready cycles per day for a total of 230 work days per year	
Operating temperature	-25 to +70 °C, climatic class N and W	

Nominal Voltage [kV]	Total Length a [mm]	Insertion Depth b [mm]	Order No.			
			BS-I 		BS-A  	
5-30	1,570	758				
			50-0921-001	50-0923-001	50-1021-001	50-1023-001

Accessories	Order No.
Extension rod	see on page 66
Probe tip	
Catch fork	
Universal plastic case	

## Accessories

for Voltage Detectors and Phase Comparators

### Universal plastic case

for products:	Dimensions [mm]			Order No.
	a	b	c	
FL-I, BL-I, BL-A, BS-I, BS-A, COMPARE 2.0, PG II	1,030	240	100	52-0102-001
BL-M	1,030	240	100	52-0102-005

### Extension rod

for extending the handle of voltage detectors and BL-M type voltmeters.

for products:	Length [mm]	Order No.
FL-I, BL-I, BL-A, BS-I, BS-A	250	52-0108-016
FL-I, BL-I, BL-A, BS-I, BS-A, BL-M	500	52-0108-013
FL-I, BL-I, BL-A, BS-I, BS-A	1,000	52-0108-014

### Probe tip

The probe provides improved penetration into oxide and paint layers.

for products:	Order No.
FL-I, BL-I, BL-A, BS-I, BS-A, BL-M, COMPARE 2.0, PG II	52-0306-002

Further probe tips for specific installation on request.

### Extension rod with probe tip

for extending the insertion depth. It is not allowed to use the extension with probe tip when it's wet.

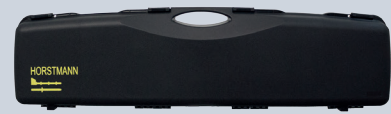
for products	Length [mm]	Order No.
BK-I, BK-A	750	52-0106-016
BK-I, BK-A	800	52-0106-017

Further probe tip for specific installation on request.

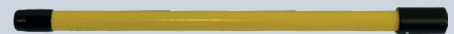
### Catch fork

The catch fork provides improved handling of voltage detectors/voltmeters for contacting surfaces and holding the device.

for	Order No.
Overhead lines	52-0307-001
Switchgear units and overhead lines	52-0307-003



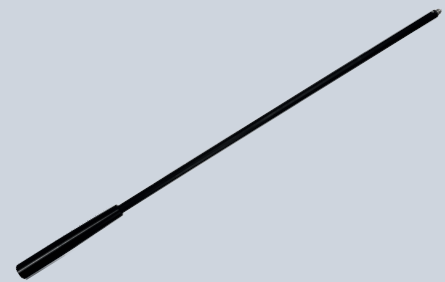
Universal plastic case



Extension rod



Probe tip



Extension rod with probe tip



Catch fork

## Autorisierter Distributor



TWV Meßtechnik GmbH  
Sammelweg 31  
32257 Bünde  
Fon: 05223 / 9277 - 0  
Fax: 05223 / 9277 - 40  
info@twvbuende.de  
www.twvbuende.de

