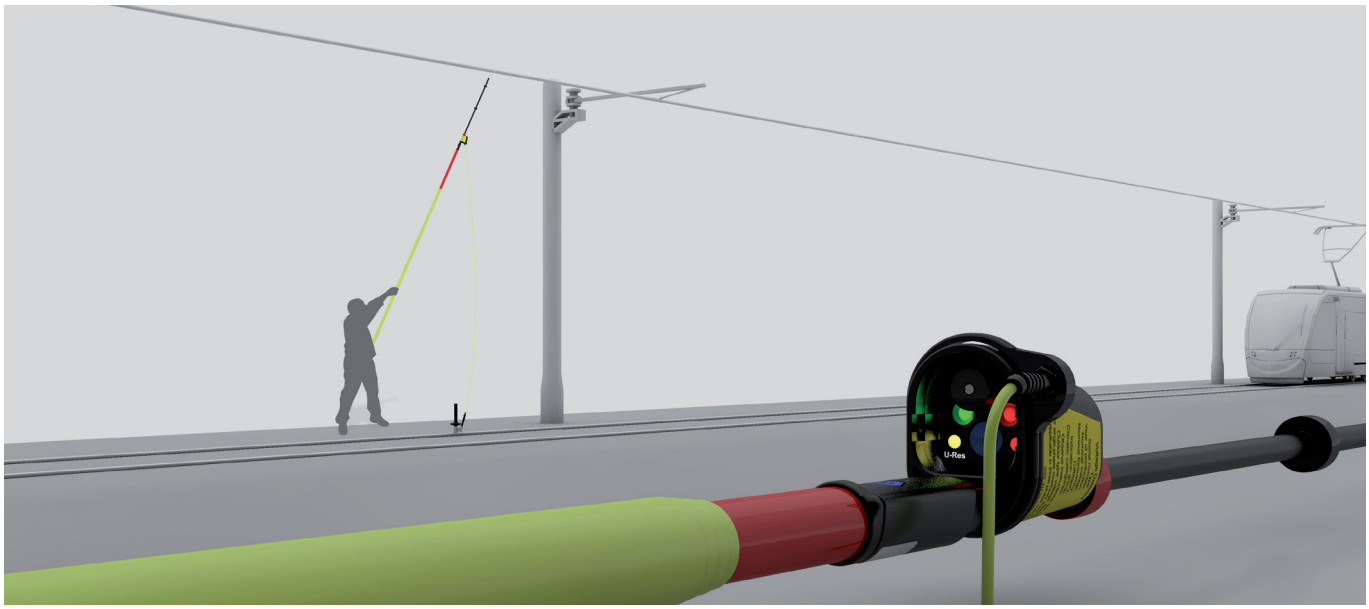
BO-A AC/DC

The new DC-voltage detector for overhead lines of electric railways

HORSTMANN GERMANY



Product features

- One device for DC and AC networks
- Plug-in system – easy and quick to use
- Integrated self-test device - increased safety
- AC/DC-Residual Voltage Indicator
- DC ±Polarity Indicator
- Low weight - easy handling and transport
- Use even in precipitation
- Up to max. 4.7 m length - voltage testing from the ground
- Magnetic earthing contact

The BO-A AC/DC is a two-pole voltage detector for overhead lines of e.g. trams and electric buses. It is used to ensure the absence of voltage during maintenance work. The voltage detector BO-A AC/DC is suitable for use in DC and AC voltage networks.

When the BO-A AC/DC is connected to a live line, an optical and acoustic signal is activated.
A DC or AC voltage network is detected and indicated automatically.

The BO-A AC/DC is designed and tested according to the standards IEC 61243-1,-2 and DIN VDE 0681-6.
It can therefore be used worldwide.

According to DGUV regulation 3 (table 1c), the device should undergo a maintenance test every 6 years.

Technical data	BO-A AC/DC
Utilization	▪ AC and DC voltage networks from 100 V to 3,000 V ▪ Use in dry and rainy conditions
Indication	„Standby“: green LED (after successful self-test) „Voltage present“: red LED and acoustic signal for DC with static polarity indication (blue/red) for AC without polarity indication „Voltage not present“: green LED, no acoustic signal AC/DC residual voltage indicator: yellow flashing LED for: AC residual voltage detection from 50 V RMS or DC residual voltage detection from ±75V DC ±Polarity indicator: Detecting DC voltage polarity: red or blue flashing LED
Duration „Standby“	65 s ±15 s
Indication type	According to group I of IEC 61243-1
Rated voltage/rated frequency	The following three standard versions are available: • Un = 100 V ... 300 V • Un = 300 V ... 900 V • Un = 1000 V ... 3000 V See imprint on name plate, tolerance ± 10 %[1] 16.7 – 60 Hz
Insulating stick features	Tested for leakage current of the insulating part with 1.2 x Ur for 1 min
Supply	Lithium cells, 6 years at approx. 10 ready cycles / day and 230 days / year
Transportation length	<1.100 mm (including catch hook probe)
Minimum length insulating part	>520 mm
Operating temperature	-25°C to +65°C

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