



## VOLTAGE DETECTOR & POLE

➔ KIT MTag + PPOLE = IEC+

### STANDARD

**MTAG:** IEC 61243-1 (2009) **VOLTAGE DETECTORS**  
**CAPACITIVE TYPE TO BE USED FOR VOLTAGES EXCEEDING 1 kV A.C.**  
**CE:** Compliance with European directives.

**Penta POLE:** The telescopic stick complies to both European and American standards:  
ASTM F 1826, ASTM F 711, IEC 62193, IEC 60855-1.

### USE

These voltage detectors are designed for making sure that nominal voltage is indeed absent in a circuit in an HV system between 1 kV and 69 kV (no-voltage verification):

- The device must detect any nominal voltage in a system or station.
- It makes it possible to avoid detecting induced voltages in order to allow earthing operations.

### ADVANTAGES

#### MTAG

- **Optimised indication** that can be understood clearly in all working conditions:
  - The indicator light is visible in all usual working environments, in sunlight or fog, with a wide visibility angle.
  - The 100 dB sound signal (from 1 metre) remains audible even over the noise of traffic or strong wind, thanks to natural conduction by an acoustic "horn".
- **Direct access to the cell and sealed electronics compartment.** When the cell is replaced, this design prevents the following:
  - accidental interchange of housing or circuitry;
  - damage to electronic circuits;
  - entry of humidity into the device when the cell is changed outdoors.

#### Penta POLE:

- Round terminal tube fully comply to the scope and requirements of IEC60855-1 / ASTM F711.
- Optimal ratio weight / Stiffness.
- Curved pentagonal cross section shape for exceptional grip.
- Ergonomic lock button switch





## TECHNICAL SPECIFICATIONS

**MTAG:** AC voltage range possible choice from 1 to 69 kV - Network frequency: 50 and 60 Hz

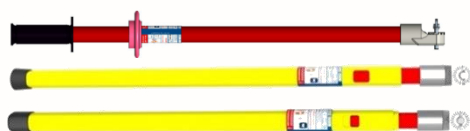
- Permanent standby status with automatic wake-up function
- The presence of voltage within the calibrated range or above makes a **RED indicator** light up, and an audio signal is generated.
- Self-test OK: the OK status (ready for use) of the device is indicated by a **GREEN** indicator lamp.
- The self-test checks all the circuits, the reference detection level and the cell voltage.
- The self-test is repeated automatically throughout the ready for use state as indicated by the green indicator lamp (for 1.5 minutes).
- The battery low level is indicated by a dedicated **ORANGE LED indicator** going on.
- Designed for outdoor and indoor use
- Operating temperature: -25 ° C to +55 ° C
- Humidity: 96 % max.
- Power supply voltage: 9 V alkaline cell – IEC 6LR61
- Accepts the use of accumulators with identical supply voltage
- Yellow polycarbonate housing
- Dimensions: Ø 59 mm, L = 280 mm without the electrode
- Net weight: 0.390 kg with stick end fitting, without electrode
- Operating manual with a choice of languages, depending on the package.



**Penta POLE:** 1 to 3 elements telescopic stick

- 1 top tube Ø 28 mm complying with IEC 60855 and ASTM F711 standards
- Tubes of pentagonal shape in accordance with IEC 61235 standards (1 to 2, depend of version)
- 1 universal end fitting to accommodate multiple accessories and adapter

				1 - 4 kV 50-60Hz	3 - 10 kV 50-60Hz	10 - 36 kV 50-60Hz	Net Weight (kg)
				Folded length (m)			
				Detector	Stick	Unfolded length (m)	
IEC	MTAG	PPOLE	0,8	VDP0104TM0808DMTAGFBL	VDP0310TM0808DMTAGFBL	VDP1036TM0808DMTAGFBL	1,045
			1,5	VDP0104P0815DMTAGFBL	VDP0310P0815DMTAGFBL	VDP1036P0815DMTAGFBL	1,245
			2	VDP0104P0820DMTAGFBL	VDP0310P0820DMTAGFBL	VDP1036P0820DMTAGFBL	1,485



## PACKAGING

- The fully assembled kit is delivered in a soft bag.



Document not contractually binding, errors and omissions excepted

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