

FAMECA

BT 



VOLTAGE
DETECTOR

TAG 780

CAT IV : 1000V VOLTAGE DETECTOR
AND RELATED ACCESSORIES
FOR DISTRIBUTION SYSTEMS



 **ESP**
ELECTRICAL SAFETY PRODUCTS

780V
simple voltage detector

780R
with phase rotation

780D
with digital display

TAG780

STRONG POINTS

- > **Smart IP2X system (sleeve retraction), with an ergonomic trigger on the back of the device**
 - unparalleled comfort: use of the index finger
 - controlled sleeve retraction, safe visibility of contact area
 - the thumb is freed up for the test button
- > **Original display provided by high luminosity LED technology**
 - can be read in sunlight
 - clear pictograms and display
- > **A very strong and ultra-flexible cord**
 - double insulation lead
 - silicone (no memory effect) insulated lead
 - non-slip effect when the device is carried around the neck
- > **Special protection adapted to field use**
 - watertight and dustproof (IP65)
 - CAT IV 1000 V voltage surges protection
 - protection with no fuse: if there is a voltage surge, the device is protected but keep on operating.
 - neutral disconnection detection by single-pole voltage indication
 - hazardous voltage redundant indication one working without battery supply

GENERAL SPECIFICATIONS

- Voltage detector complying with new NFC 18510 standard
- Voltage: 12/24/127/230/400/690/1000 (TAG780V and TAG780R)
- IEC 51243-3 qualified
- IP65
- CAT IV 1000 V
- Powered by two AAA cells (1.5 V), included
- Weight: 290 g (device alone)
- Supplied with carrying case

FUNCTIONS THAT HAVE BEEN DESIGNED ESPECIALLY FOR OPERATORS:

- Voltage range: 12 to 1000V DC and AC (15 to 60Hz)
- Differentiated alarm signal depending on voltage level (discontinuous sound up to 230 V and continuous sound above 400 V.)
- Polarity display (-/+)
- Integrated self-test
- Continuity test (80 Ω limit)
- Phase search in single-pole mode (any of the two touch tips may be used)
- Two-wire phase rotation (depending on model)
- Front lighting

TAG780V Simple voltage detector

| Reference | Part no of contact tips |
|-------------------|-------------------------|
| TAG780VIFE | IP2X |
| TAG780VPFE | Non IP2X |

TAG780R Voltage detector with phase rotation

| Reference | Part no of contact tips |
|-------------------|-------------------------|
| TAG780RIFE | IP2X |
| TAG780RPFE | Non IP2X |

TAG780D Voltage detector with digital display

| Reference | Part no of contact tips |
|-------------------|-------------------------|
| TAG780DIFE | IP2X |
| TAG780DPFE | Non IP2X |

TAG780D





SPOT
LIGHT



SELF-TEST



REMOVABLE SPRING
BLADE CONTACT ELEMENT



RETRACTABLE
SLEEVE



ERGONOMIC
TRIGGER FOR
SLEEVE
RETRACTION



NON-IP2X
VERSION



ACCESSORIES

SET OF CONTACT ELECTRODE EXTENSIONS FOR IP2X TAG780 (version available FOR non-IP2X TAG 780)

➤ **Use of the TAG 780 voltage detector on overhead or underground systems.**

Specifications:

- Composition: Ø10 mm fibreglass tubes, connecting ends, Ø4 mm safety socket, Ø4 mm touch tips
- Drop proof connections
- Lengths and contact electrodes adapted to each use: overhead lines or substations.

ANT780RS

Lightweight rigid contact electrode extensions for substations, installations and pavement boxes. Contact parts adapted for the type of use, Ø4 mm touch tips. Storage bag.

ANT780RA

Lightweight rigid contact electrode extensions for overhead lines. V-shaped contact parts and contact hook for hanging it. Storage bag.

ANT780I

ANT780I has been designed to allow the use of the TAG780 voltage detector both in substations and in overhead lines (bare conductors).

| PART NUMBER | USE | LENGHT | WEIGHT |
|-------------|--|--------|--------|
| ANT780RS | Substation | 0,78 m | 500 g |
| ANT780RA | Overhead lines | 1,30 m | 700 g |
| ANT780I | Combined overhead lines and substation | 1.40 m | 800 g |

RANGE TAG780

| TAG780 | TAG780 D | | TAG780 R | | TAG780 V | | TAG780 S | |
|------------------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| Touch tips | IP2X | Fine touch tip | IP2X | Fine touch tip | IP2X | Fine touch tip | IP2X | Fine touch tip |
| Standard functions* | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Phase/N discrimination | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ |
| Phase rotation | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ |
| Digital display | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ |
| Soft case | TAG780DIFE | TAG780DPFE | TAG780RIFE | TAG780RPFE | TAG780VIFE | TAG780VPFE | TAG780SIFE | TAG780SPFE |
| No case | TAG780DIFS | TAG780DPFS | TAG780RIFS | TAG780RPFS | TAG780VIFS | TAG780VPFS | TAG780SIFS | TAG780SPFS |

* 1000V - IP65 protection - Hazardous voltage indication (even when the cells are faulty)
- Integrated self-test - Continuity - Lighting of tested point - Polarity +/-

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