

# Voltage detectors

## Phase comparators

From 1kV to 52kV

IEC voltage detectors

Standard voltage detector

Insulating sticks for voltage detectors

Phase comparators

Unlike single-pole voltage detectors, two-pole testers may detect differences in voltage between any two points of an installation. Essentially used for phase balance operations, they may also be used for two-pole detection operations and H.V. fuse checking.

## Two-pole Phase comparators for indoor use

The DETEX CL-8-36 detect differences in voltage between any two points of an installation indicated by LED's. It also enables assessment of the order of magnitude of the residual voltage induced by nearby live lines or circuits, and thus differentiates it from the one provided directly from a high voltage source.

Wide range of voltages: 2 to 36 kV.

High luminosity.

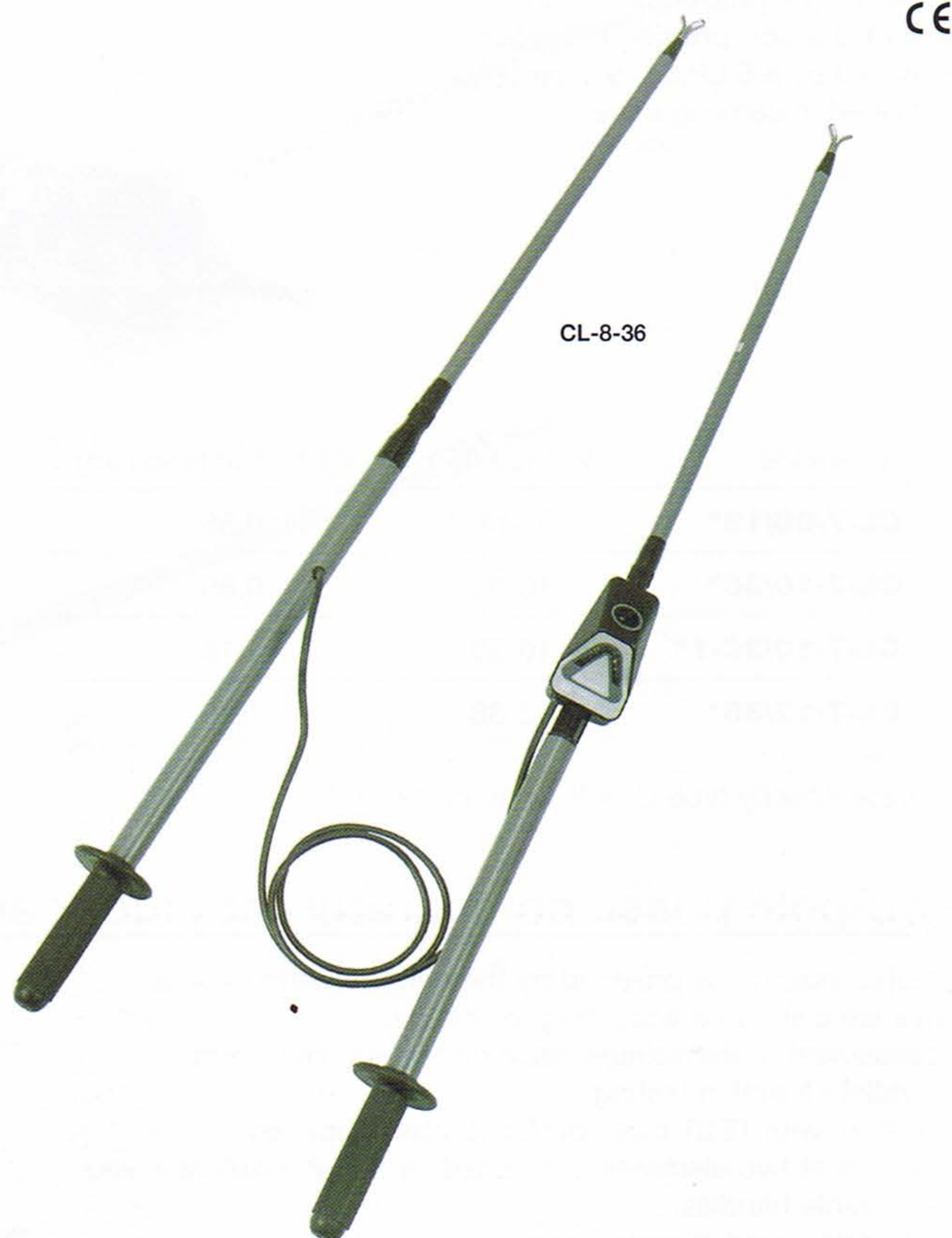
Compact: 0.62 m with probes dismantled.

High dielectric quality insulating material.

Two 1.25 m elements with removable probes, connected via a high-insulation lead.

Max. use distance: 2.25 m (with probe extenders).

Operation testing: with a checking device.



CE

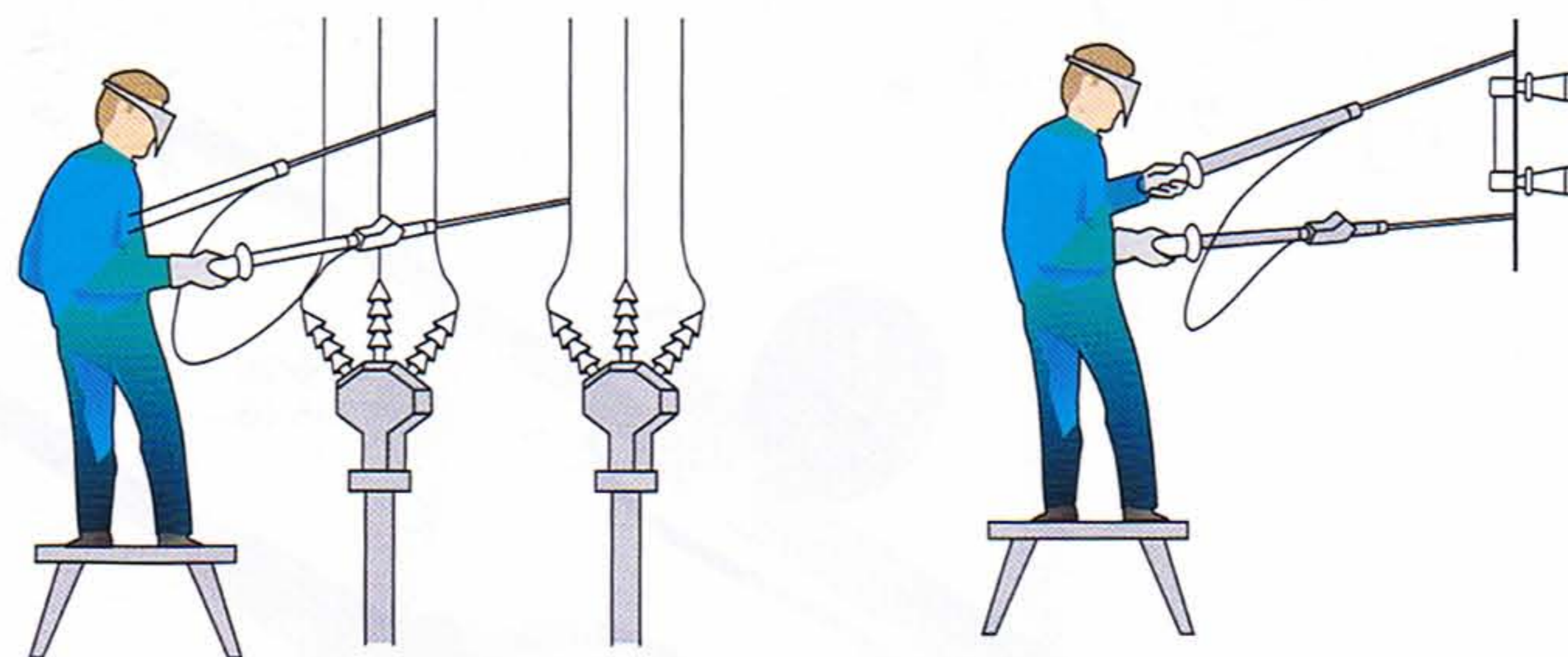
**CL-8-36** CL-8-36 tester in plastic case  
150 x 195 x 650 mm - Weight: 7.5 kg

**CL-8-36/1** CL-8-36 tester with two probe extenders  
0.550 m - cable, length: 2.87m delivered  
in plastic case 150 x 195 x 650 mm  
Weight: 7.8 kg

### ACCESSORIES

**C-92-20** Spare 0.550 m probe

**CL-8-05** Probe extenders 0.550 m



Checking for phase matching

Checking a H.V. fuse

## PIEZOTEST™ Separate testing device for phase comparator

Piezo-electric generator activated via a handle mechanism providing a high frequency voltage.

Metal contact at the tip of the device. This contact may receive the "banana" plug of the extension lead to facilitate testing on very long detectors.

Earth socket at the base of the unit receiving a plug for making closed-circuit tests.



**CL-1-06** In case, with lead - 190 x 32 x 65 mm  
Weight: 0.300 kg

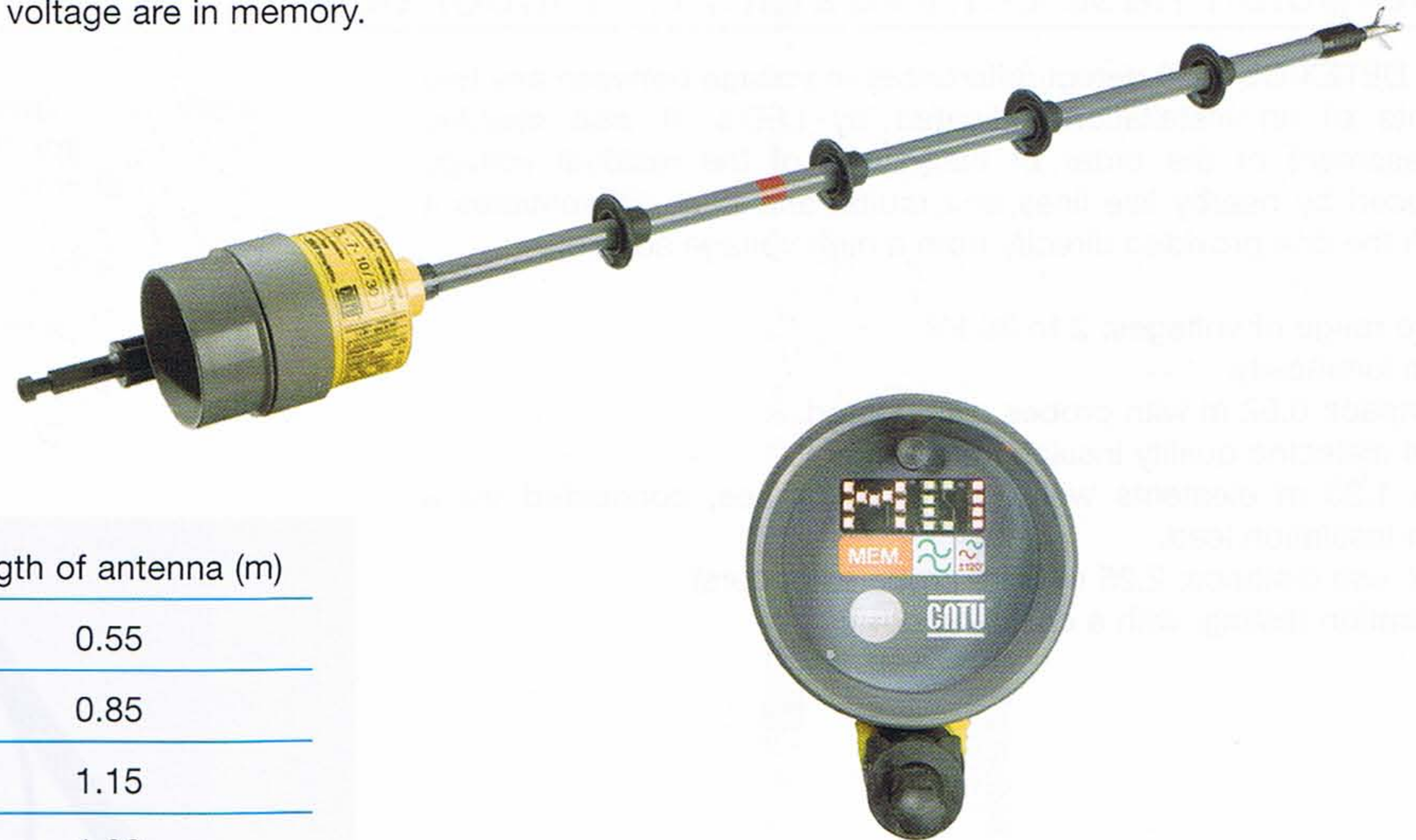
MEDIUM VOLTAGE



## Single pole phase comparator for indoor and outdoor use

Frequency and voltage phase memory.  
 Integrated TEST push-button.  
 Orange LED = indication that frequency and voltage are in memory.  
 Green LED = phasing indication.  
 Red LED = non-phasing indication.  
 Powered by a 6 LR 61 9 V battery.  
 Delivered in carrying case.

IEC-61481 

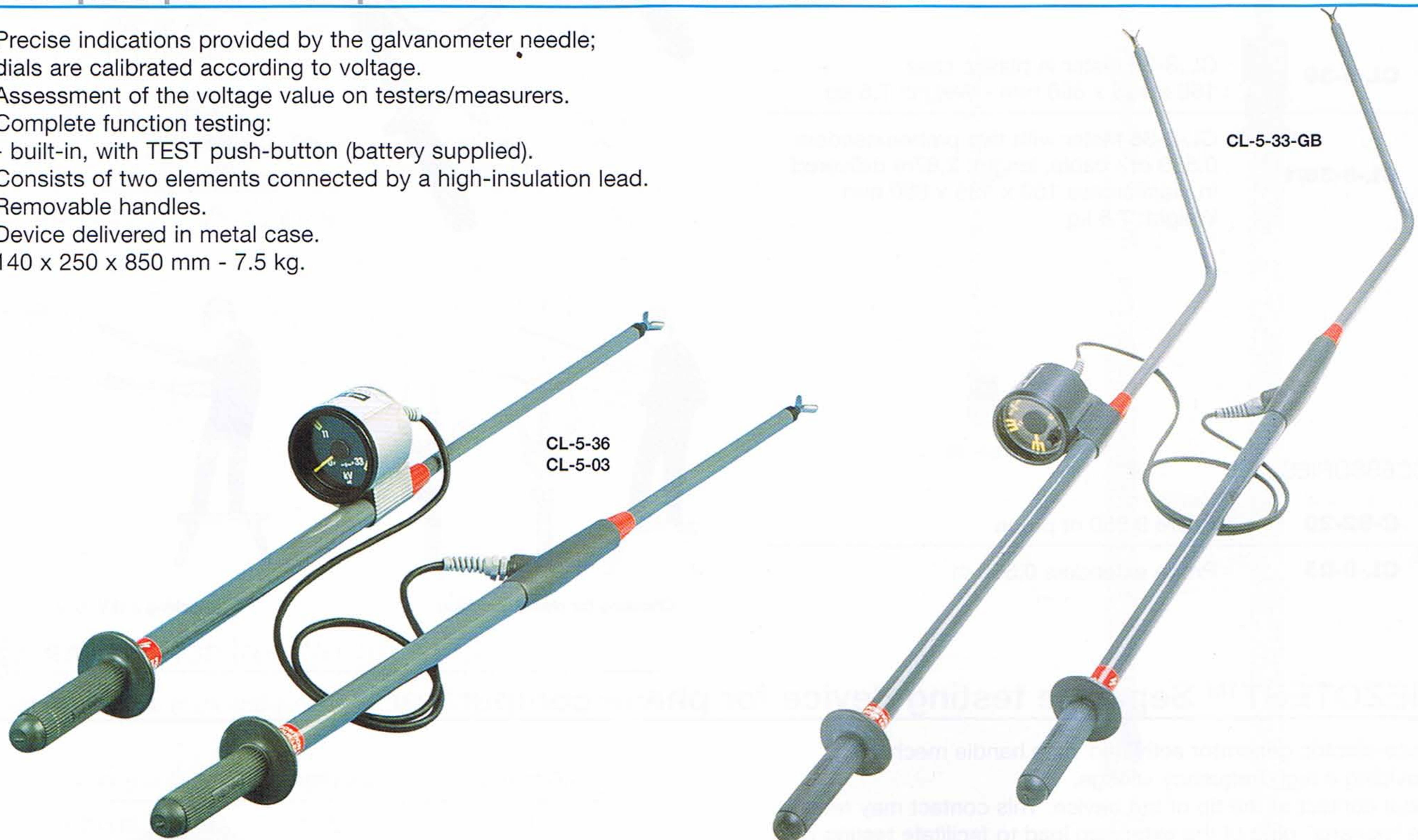


Reference	Voltage (kV)	Length of antenna (m)
<b>CL-7-06/18*</b>	6-18	0.55
<b>CL-7-10/30*</b>	10-30	0.85
<b>CL-7-10/30-1*</b>	10-30	1.15
<b>CL-7-12/36*</b>	12-36	1.20

\* Please specify type C or K when ordering.

## Two-pole phase comparator for indoor and outdoor use

Precise indications provided by the galvanometer needle; dials are calibrated according to voltage.  
 Assessment of the voltage value on testers/measurers.  
 Complete function testing:  
 - built-in, with TEST push-button (battery supplied).  
 Consists of two elements connected by a high-insulation lead.  
 Removable handles.  
 Device delivered in metal case.  
 140 x 250 x 850 mm - 7.5 kg.



Reference	Voltage (kV)	Dial scale (kV)	Observations
<b>Phase tester</b>			
<b>CL-5-33-GB</b>	11-33	11-33 A.C/D.C	straight and angled antennae
<b>CL-5-36</b>	5-36	5-10-15-20-25-30-36 A.C/D.C	straight antennae
<b>Tester-measurer</b>			
<b>CL-5-03</b>	0.75-3	0.75-1-1.25-1.5-3 A.C/D.C	straight antennae