

# TELEARM 120 and 180

## Telescoping Rods for Measurement of PE and RISO

3-349-927-03  
2/9.16

Probe extension for low-voltage and insulation measurement

TELEARM 120 and 180: 600 V CAT III; 300 V CAT IV

- TELEARM 120: maximum length 120 cm
- TELEARM 180: maximum length 180 cm



TELEARM 120 – retracted



TELEARM 180 – retracted



TELEARM 120 – extracted

### Application

TELEARM is used as a test probe extension.

The test probe of the test and measuring instrument is plugged into the connector of the handle by means of the connector coil cable until it snaps into place. By turning the big locking wheels, TELEARM can be extended to the desired length and fixed, similar to a camera tripod.

For retracting, turn the telescopic element with the tip slightly in clockwise direction (on account of the internal spiral cable).

### Characteristic Values

Characteristic Values	TELEARM 120 (Z505C)	TELEARM 180 (Z505D)
Length of TELEARM retracted / extracted	53,5 cm / 120 cm	73,5 cm / 180 cm
Number of elements	3	3
Weight	190 g	250 g
Continuity resistance (retracted/extracted)	approx. 0.14 $\Omega$	approx. 0.15 $\Omega$
Measuring category with safety cap applied	600 V / 1 A CAT III; 300 V / 1 A CAT IV	
Measuring category without safety cap	1000 V / 2 A CAT II	
Pollution degree	2	

### Ambient Conditions

Temperature            -10 °C ... 50 °C  
Relative humidity      max. 75 %

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### Applicable Standards and Regulations

IEC 61010-1/EN 61010-1/ VDE 0411-1	Safety requirements for electrical equipment for measurement, control and laboratory use Part 1: General requirements
IEC 61010-031/ DIN EN 61010-031/ VDE 0411-031	Safety requirements for hand-held measuring equipment for test and measurement
EN 61557-1 / -4 / VDE 0413 Part 4	Resistance measuring instruments
EN 60529 VDE 0470-1	Test instruments and test procedures - Degrees of protection provided by enclosures (IP code)

### Order Information

Designation	Type	Article Number
Telescoping rod for RLO and RISO measurement, CAT III 600 V / CAT IV 300 V, 1 A, retracted/extended 53,3 cm/120 cm, 190 g	TELEARM 120	Z505C
Telescoping rod for RLO and RISO measurement, CAT III 600 V / CAT IV 300 V, 1 A, retracted/extended 73,5 cm/180 cm, 250 g	TELEARM 180	Z505D

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### Standard Equipment

- 1 Telescoping rod
- 1 Operating instructions

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