

Insulating Poles for Voltage Detectors

These insulating poles can be used with all KP-Test 5 Series voltage detectors. This allows voltage detectors to be optimized for particular applications on the system.

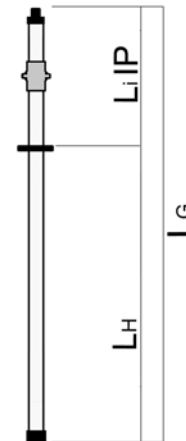
Technical description:

- Yellow varnished FRP tubes with optimal leakage values
- Hexagon connection for KP-Test 5 Series voltage detectors

Insulating Poles for Voltage Detectors, Type IP

One-piece insulating pole with end cap, hand guard and hexagon connection for KP-Test 5 Series voltage detectors

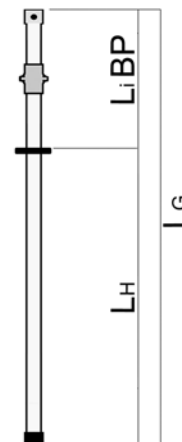
No.	Total length L_G (mm)	Insulating length L_{IP} (mm)	Length of handle L_H (mm)	Diameter of insulating element d (mm)
973 500 001	572	-	135	24
973 501 001	725	-	285	24
624 760 001	1485	830	605	33

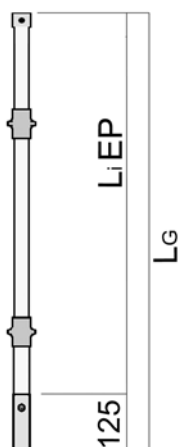
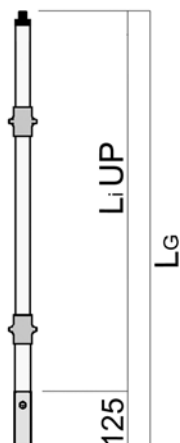


Insulating Pole Base Parts for Voltage Detectors, Type BP

Insulating pole base part with end cap, hand guard and plug-in connection for insulating pole upper or intermediate parts, for multi-piece insulating poles.

No.	Total length L_G (mm)	Insulating length L_{BP} (mm)	Length of handle L_H (mm)	Diameter of insulating element d (mm)
624 333 502	1225	225	1000	43
624 333 504	1500	500	1000	43
624 334 501	1855	855	1000	43
624 334 502	2010	1010	1000	43





Insulating Pole Upper Parts for Voltage Detectors, Type UP

Insulating pole upper part for multi-piece insulating poles. With hexagon connection for KP-Test 5 Series voltage detectors.

No.	Total length L_g (mm)	Insulating length $L_i \text{ UP}$ (mm)	Diameter of insulating element d (mm)
624 780 002	977	802	33
624 780 001	2050	1875	33

Insulating Pole Intermediate Parts for Voltage Detectors, Type EP

Insulating pole intermediate part for multi-piece insulating poles. Plugs in between insulating pole upper part and base part.

No.	Total length L_g (mm)	Insulating length $L_i \text{ EP}$ (mm)	Diameter of insulating element d (mm)
624 336 501	1100	975	43
624 336 002	3130	3005	43

Insulating Pole Extensions for Voltage Detectors

This insulating pole extension makes it simple to extend the PFISTERER insulating poles of voltage detectors. The insulating pole extension is screwed onto the existing insulating pole. This does not reduce the minimum insulation length.

These insulation pole extensions can be used for:

- KP-Test 5
- KP-Test 5 dual
- KP-Test 5L
- KP-Test 5L dual

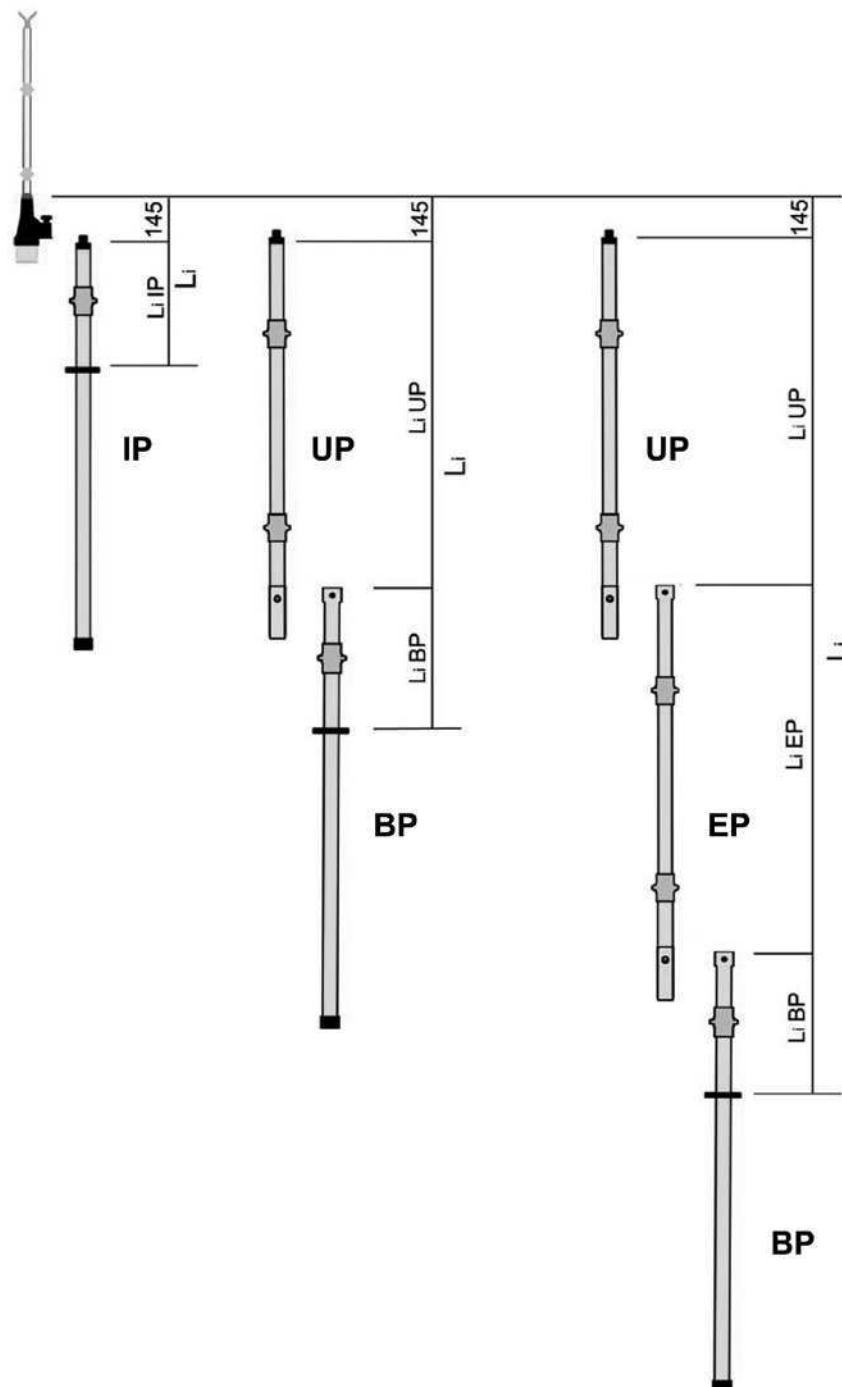
No.	Total length L_g (mm)	Diameter of insulating element d (mm)
620 518 002	560	24
620 518 001	1060	24

Insulating Poles for Voltage Detectors KP-Test 5 and 5H

Minimum length of insulating elements L_i by standard EN 61243-1

U_r (kV)	L_i (mm)
$1 < U_r \leq 36$	520
$36 < U_r \leq 72,5$	830
$72,5 < U_r \leq 123$	1300
$123 < U_r \leq 170$	1700
$170 < U_r \leq 245$	2300
$245 < U_r \leq 420$	3600

U_r = rating voltage



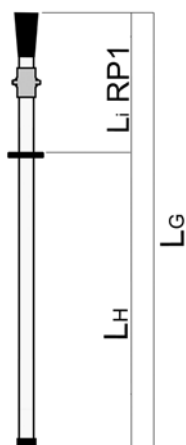


Insulating Poles for Railway Voltage Detectors

This insulating poles are applicable to all KP-Test 5R voltage detectors series. Optimal way for laying out voltage detectors for respective applications.

Technical description:

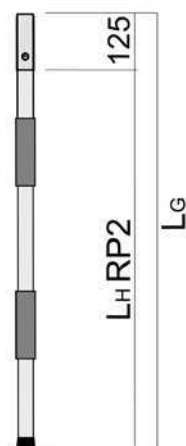
- Hexagon connection for KP-Test 5 Series voltage detectors
- Yellow, respectively white varnished FRP tubes with optimal leakage values



Insulating Pole Base Parts for Three-part Voltage Detectors, Type RP1

Insulating pole base part with end cap, hand guard and plug-in connection for insulating pole upper parts UP.

No.	Total length	Insulating length	Length of handle	Diameter of insulating element
	L _G (mm)	L _i RP1 (mm)	L _H (mm)	d (mm)
620 780 002	1950	480	1465	33
620 780 001	2450	480	1965	33



Insulating Pole Base Parts for Five-part Voltage Detectors, Type RP2

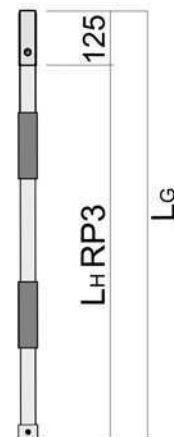
Insulating pole base part with end cap, hand guard and plug-in connection for insulating pole intermediate parts RP3.

No.	Total length	Length of handle	Diameter of insulating element
	L _G (mm)	L _H RP2 (mm)	d (mm)
623 930 001	1080	955	43

Insulating Pole Intermediate Parts for Five-part Voltage Detectors, Type RP3

Insulating intermediate part with plug-in connection for insulating pole intermediate parts RP4.

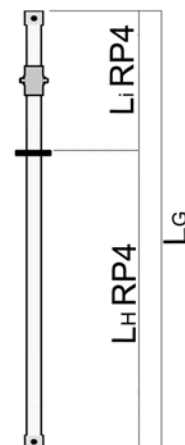
No.	Total length	Length of handle	Diameter of insulating element
	L_G (mm)	L_H RP3 (mm)	d (mm)
623 929 001	1080	955	43



Insulating Pole Intermediate Parts for Five-part Voltage Detectors, Type RP4

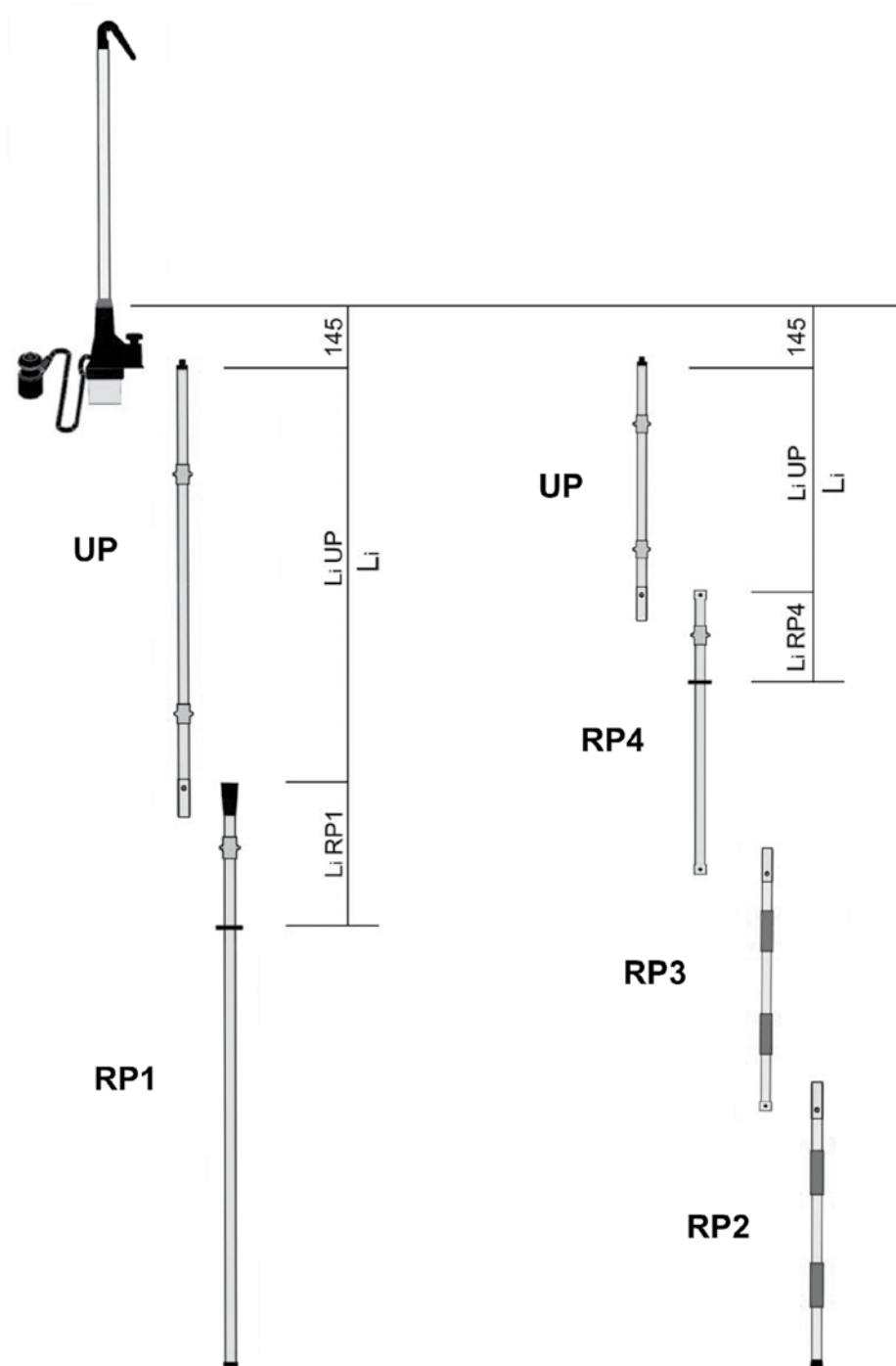
Insulating base part with plug-in connection for insulating pole upper parts UP.

No.	Total length	Insulating length	Length of handle	Diameter of insulating element
	L_G (mm)	L_I RP4 (mm)	L_H RP4 (mm)	d (mm)
623 929 100	1010	65	945	43



Insulating Poles for Voltage Detectors KP-Test 5R DC and KP-Test 5R DC dual

Minimum length of insulating elements L_i



In-service Tests for Voltage Detectors

Depending on national regulations in the country concerned, in-service tests are required for voltage detectors with nominal voltages above 1 kV. In Germany, these are obligatory under the „Electrical installations and equipment“ (BGV A3) accident prevention rule. Voltage detectors must then, within a maximum period of six years, be submitted to another in-service test and specified checks. The appendix of Standard IEC 61243-1 gives a description of these tests.

PFISTERER have been successfully carrying out these in-service tests on their own test equipment for many years. The voltage detectors are tested according to the specifications, and immediately adjusted if necessary. Whenever extensive repairs are necessary, we give a cost quotation.

When the tests are completed, the results are documented in detail.

To request an In-service test, please contact your local sales agency.

For customers in Germany please use the following mailing address:

PFISTERER Kontaktsysteme GmbH & Co. KG
Bereich Wiederholungsprüfung
Bahnhofstraße 30
89547 Gerstetten - Gussenstadt
Germany

No.	Description
200 000 001	KP-Test II
200 000 002	KP-Test III
200 000 003	KP-GLI
200 000 004	KP-Test II Railway
200 000 005	KP-Test II USE
200 000 006	Testing set
200 000 014	SONIC signal application
200 000 200	KP-Test 5