

## PTL - Probes





for verification of the protection of persons and equipment by enclosures

according to **IEC 61032** :1997-12 + Corr.1 2003-01.

### IP-Code-Probes of IEC 60529

#### Access probes

to verify protection of persons against access to hazardous live or mechanical parts.

Probe code	Fig. No.	Product picture	PTL designation	Remark	Article No.
A	1		IEC Test Sphere Ø 50 mm, with dynamometer 0...50 N		<b>P 10.24</b>
B	2		Jointed IEC Test Finger Ø 12 mm, insulated part 20 mm x Ø 50 mm x 100 mm	for 10 N: with P 10.34	<b>P 10.14</b>
C	3		IEC Steel Rod Ø 2,5 mm, with dynamometer 3 N		<b>P 10.26</b>
D	4		IEC Steel Wire Ø 1,0 mm, with dynamometer 1 N		<b>P 10.27</b>

#### Object probes

to verify protection of equipment against access ingress of solid foreign objects.






Probe code	Fig. No.	Product picture	PTL designation	Remark	Article No.
1	5		IEC Test Sphere Ø 50 mm, without handle	for 50 N: with P 10.35 + P 10.63 or P 10.24	<b>P 10.22</b>
2	6		IEC Test Sphere Ø 12,5 mm, without handle	for 30 N: with P 10.35 + P 10.63	<b>P 10.23</b>

**PTL - Probes**


(continuation)

**Other Access Probes**

to verify protection of persons against access to hazardous live or mechanical parts.

Probe code	Fig. No.	Product picture	PTL designation	Remark	Article No.
11	7		Rigid Test Finger P 10.05, with dynamometer 0...50 N		<b>P 10.38</b>
12	8		Long Test Pin Ø 4 mm, 50 mm long	for 10 N: with P 10.34	<b>P 10.02-S1</b>
13	9		Short Test Pin Ø 3 mm / Ø 4 mm, 15 mm long		<b>P 10.11</b>
14	12		Test Bar 3 mm x 1 mm, 80 mm long, with dyna- mometer 20 N		<b>P 10.12</b>
15 / 16	-	-	-	<i>withdrawn</i>	-
17	11		Test Needle Ø 0,5 mm, 80 mm long		<b>P 10.46-S1</b>
18 / 19	12/13	-	<i>Small finger probes: not in PTL program</i>		n / a



to verify protection of persons against access to hazardous mechanical parts.

Probe code	Fig. No.	Product picture	PTL designation	Remark	Article No.
31	14		Test Rod Ø 25 mm, 80 mm long, conical stop Rod Ø 25 mm, 80 mm long exchangeable: plastics for Test probe 31, metal for Test probe 32	for 50 N: with P 10.35	<b>P 10.55</b>
32	15				
33	-	-	-	<i>withdrawn</i>	-

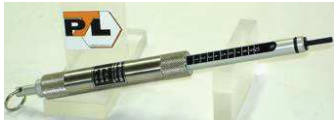




**PTL - Probes**

(continuation)

to verify protection of persons against access to hot or glowing parts.

Probe code	Fig. No.	Product picture	PTL designation	Remark	Article No.
41	16		Test Mandrel Ø 30 mm, 80 mm long including tip		<b>P 10.03</b>
42	-	-	-	<i>withdrawn</i>	-
43	17		Test Bar 50 mm x 5 mm, 175 mm long		<b>P 10.57</b>

**Accessories:**

Product picture	PTL designation	Remark	Article No.
	Push and Pull Dynamometer, linear scale 0...10 N		<b>P 10.34</b>
	Push and Pull Dynamometer, linear scale 0...50 N		<b>P 10.35</b>
	Adapter Ø 12 mm / Ø 10 mm, between handle Ø 10 mm and P 10.3X		<b>P 10.61</b>
	Centre Adapter for P 10.22 or P 10.23 and P 10.3X		<b>P 10.63</b>
	Electrical Contact Indicator, 42 V AC 25 mA		<b>P 10.28</b>