

WIRE HARNESS TEST

LP732

LED Contact Probe for Guided Terminal Insertion



Centers (mm/mil)	2,54 / 100
Current	5,0 A * / (30 mA sensor)
R typ	< 50 mOhm (Gesamt)
Temperature	-45°C...+100°C

Spring Force Probe+Sensor (cN ±20%)

Version	Preload	Nominal
Standard	30	80

Travel (mm)

Version	Nominal	Maximum
Standard	4,0	5,0
Thread (M)		1,6
Wrench Size		1,7
Pointing Accuracy		±0,08 mm

Materials and Plating

Plunger	BeCu, gold plated
Barrel	Brass, gold plated
Spring	Stainless steel, unplated
Receptacles	Brass, gold plated

Accessories

Insertion tool receptacle	FEWZ-772E0
Screw-in tool probe	FWZ732 (T)
Extension cable for Molex-connector (250mm)	2112221

Drill Size (mm)

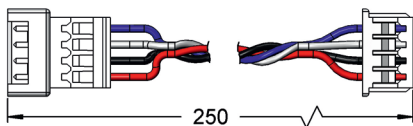
HLP732RD	2,02 - 2,05
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Projection Height (mm)

HLP732RD mit LP732	10,3
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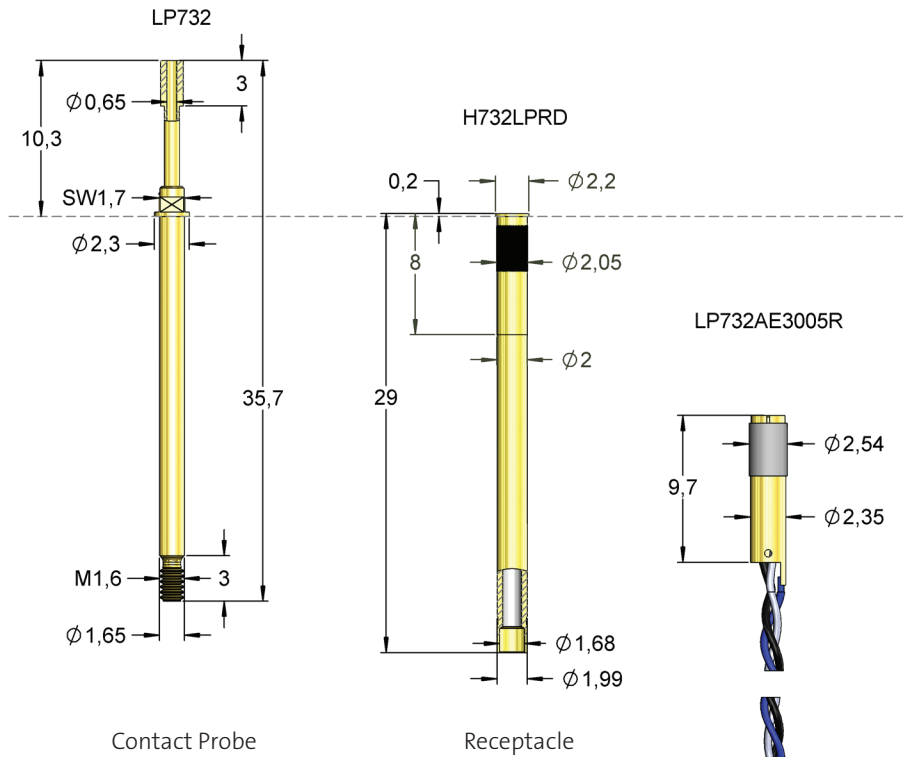
2112221:

Extension cable 250 mm for Molex-connector



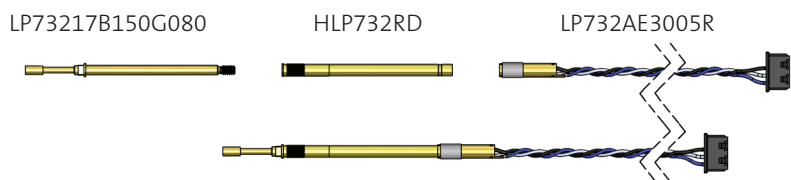
Series	Tip-Ø	Spring Force (cN)
LP732 11 B 064 G 080		
Tip Style	Material	Plating
Version		

Material: B = BeCu
Tip-Ø: 064 = 0,64 mm (e.g.)
Plating: G = Gold plated
Note: Additional receptacle and position sensor required, order code according to drawing



LED-element with Molex-connector 51021-0400 and 3x 250 mm flexible wire

The new LED probe system provides a complete solution for guiding the operator into the process of assembling wires (terminals) in a connector.



For mounting the probe, first mount the receptacle as usual, screw in the probe and afterwards plug on the LED connection element. If the length of the connection cable at the position sensor is not sufficient, an additional extension cable can be used.

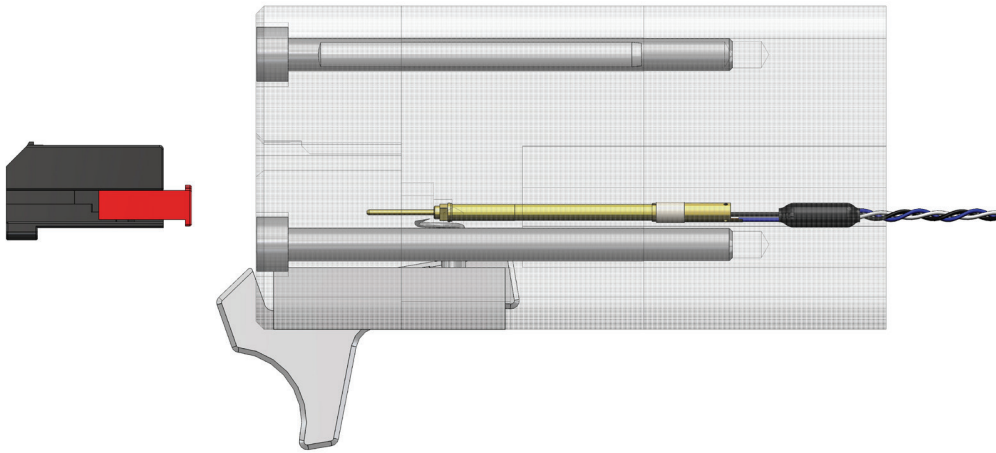
Tip Style	Number	Material	Plating	Ø in mm	Version
	11	B	G	0,64	-
	17	B	G	1,50	-

WIRE HARNESS TEST

LED Contact probe for Guided Terminal Insertion



Contact Probes For
MARKET LEADER
Wire Harness Test



Contact Probe with LED Indicator for Guided Terminal Insertion

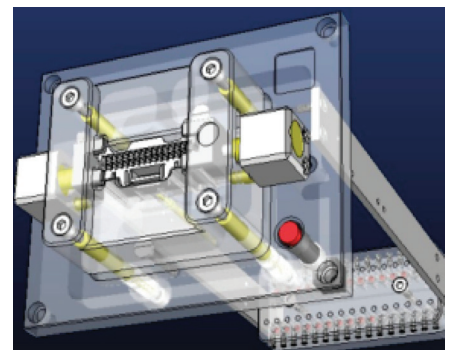
The new LED probe system provides a complete solution for guiding the operator into the process of assembling wires in a connector. This process includes

- Guided insertion with indication of the correct cavity by light (LED)
- Electrical test, i.e. continuity check of the wire to assure the correct position

Existing solutions use either optical fiber indication of the cavity, which does not allow electrical contacting, or LED indication next to the cavities, which is much less effective for guiding the operator and might cause more wrong assemblies.

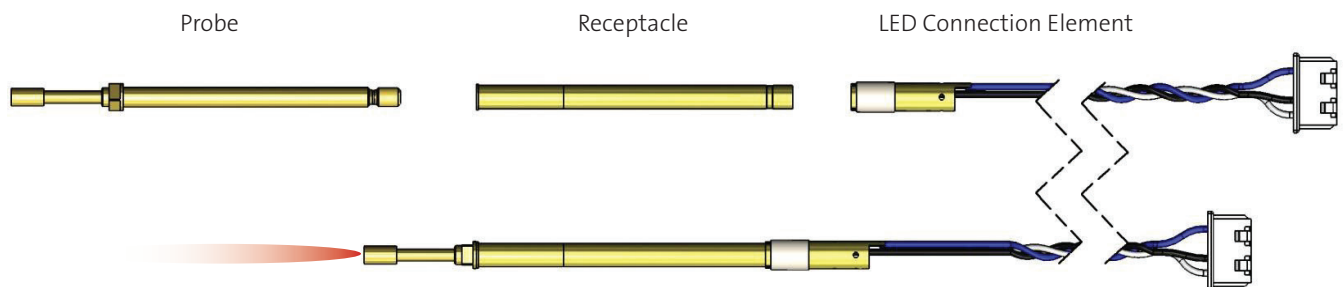
Advantage of LED Contact Probe

Both functions (LED-indicator and contact probe) are combined in one device. This ensures correct terminal insertion and at the same time allows electrical tests.



Modul for wire assembly

Modular Design



The LED contact probe is a modular system consisting of a spring contact probe with hollow plunger, a holding receptacle and a connected LED-element. The electrical connection is realized by a connector compatible to Molex PicoBlade™ Series. The three wires include one for connection to the probe tip (test point) and two for providing the control voltage to the LED (5V DC).

Market Leader in Contact Probes for Wire Harness Test

With this solution FEINMETALL provides real added value to wire harness production and test and strengthens the position as market leader in the field of contacting wire harnesses and connectors.