

Special probe Type «H» for hardness tester TQ TKM-459CE



Special probe Type «H» is purposed to control hardness of galvanic coatings (chrome, copper, nickel), thin-walled and small-sized items. The design of hardness testers TKM-459CE provides full interchangeability of probes!

Probe Type «H» is purposed for hardness measurement of following:




- Electroplating (chrome, copper, nickel, zinc, tin, etc.),
- Thin-walled and small-sized products,
- Products from fine-grained materials at local research of properties of materials,
- Items of complicated configuration.

Advantages


- Stable readings independent from force and time of pressing.
- Easy measuring in hard-to-reach areas.
- Ultra-small control area (from 1 mm).
- Control in slots and blind holes from 5 mm (not provided by rival devices).
- Invisible print on mirror-surface.
- Low sensitivity to the curvative of surface, thickness and weight of product.

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Probes characteristics

Photo	Probe Type/Load	Weight/thickness/ surface roughness of the article under check	Length/ Diameter	Application
	«A» 50H/5 kg	1 kg/3 mm/Ra 1,6	145/26 mm	Solving of main hardness testing tasks
	«H» 10H/1 kg	1 kg/2 mm/Ra 0,8	145/26 mm	Hardness testing of electroplated coating (chrome, copper, nickel, zinc, tin), thin-walled and small-sized items
	«C» 100H/10 kg	1 kg/4 mm/Ra 3,2	145/26 mm	Hardness testing of items with unprepared surface, large items and heavy-duty equipment
	«K» 50H/5 kg	1 kg/3 mm/Ra 1,6	76/33 mm	Hardness testing of inner surface of tubes, tanks and other hard-to-reach areas
	«AL» 50H/5 kg	1 kg/3 mm/Ra 1,6	194/26 mm	Hardness testing in hard-to-reach areas as pinholes, grooves, in-between gear teeth zones (length of tip 65 mm)

Technical specifications

Photo	Probe Type/Load	Length/Diameter	Weight	Application
	«H» 10 H (1 kg)	145 / 26 mm	0,3 kg	Hardness testing of electroplated coating (chrome, copper, nickel, zinc, tin), thin-walled and small-sized items

Delivery set

Special probe Type «H» – 1 piece

ATTENTION! There is a built-in Lemo plug-in in the probe. Connection cable is sold separately.

Exploitation

Special probe Type «H» is designed to control the hardness of galvanic coatings (chromium, copper, nickel, zinc, tin, etc.), thin-walled and small-sized products.

Requirements to controlled item:

- Items heavier than 1 kg and thicker than 2 mm need no additional preparation;
- Items lighter than 1 kg should be fixed in a vice clamp or on a support plate by fixing paste;
- Items with a thickness of less than 2 mm should be fixed in a vice clamp or on a support plate by fixing paste;
- Roughness of controlled surface providing best measurement accuracy is 0.8 RA.

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