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SUPER PIG III DESTRUCTIVE PAINT INSPECTION GAUGE
SP1100

DATASHEET

PRODUCT DESCRIPTION

The TQC SP1100 SuperPIG is a destructive precision tool for inspection and thickness measurement on single or multiple coats on virtually all substrates, including wood, plastics, metals etc. Also observes and measures substrate and film defects. Applies a small incision in the layer of paint, and uses an integrated microscope reticle. The SP1100 is a very stable instrument, also the integrated microscope has an excellent focus. The microscope is provided with a double scale (mm and inch) which allows you to calculate to micrometers and mils. Reduce of ambient light because of a rubber end cap on the microscope so when observing through the microscope you will have a better focus upon the specimen.

BUSINESS

Automotive, Coating Industry, Construction/Building maintenance, Galvanize, Laboratory, Paint, Steel Protection, Wholesale

STANDARDS

ISO 2808, ASTM D4138-07a

FEATURES

- Made of Titanium anodised aluminium
- Three knife sizes and one crosscut knife (optional) in one holder
- Ergonomic design: revolving-system to change knifes
- Bright white LED lights ensure clear vision through the microscope
- Small size eases use in corners
- Engraved scaling (D-factor) for easy calculations
- Rubber protective eye cup

SCOPE OF SUPPLY

- Super Pig III destructive paint inspection gauge
- Black marker
- Knives 1, 2 and 4 (sp1111, SP1112, SP1114)*
- Hex diagonal wrench
- Black leather case with belt clip

** knives 1,2 and 4 are supplied as of serialno SP1100-401. Prior knives 1, 2 & 3 where supplied.*

ORDERING INFORMATION

SP1100 – TQC Super Pig III Paint Inspection Gauge

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ACCESSORIES

Knives

SP1111	Cutter No. 1, 20-1800µm / 1-70 mils, for SuperPIG II / III
SP1112	Cutter No. 2, 10-900µm / 0.5-35 mils, for SuperPIG II / III
SP1113	Cutter No. 3, 5-450µm / 0.25-17.5 mils, for SuperPIG II / III
SP1114	Cutter No. 4, 2-180µm / 0.1-7 mils, for SuperPIG II / III

Spare Cross Cut knife acc. To DIN-ISO 2409, ASTM D3359, 6 teeth

SP1702	Teeth distance 1 mm
SP1703	Teeth distance 2 mm
SP1704	Teeth distance 3 mm

Spare Cross Cut knife acc. to ASTM D3359 <2009, 11 teeth

SP1705	Teeth distance 1 mm
SP1706	Teeth distance 1,5 mm

SPECIFICATIONS

Range :	2 to 1800 microns / 0,1 to 70 mils
Microscope:	Magnification 50X (with graduation-scale)
Scale range:	0,00 – 1,8 mm / 0,00 – 0,07 inch (rectilinear measured)
Variation:	Accuracy depends on chisel cut angle and users reading
Battery:	4 x AG13/LR44
Material:	Titanium anodised aluminium
Width:	25mm
Height:	110mm
Length:	65mm

USE

- Mark the inspecting surface with a black line of approximately 20mm.
- Place the SuperPIG with its cutter behind the line and pull (without putting pressure on the gauge) the SuperPIG across it, just cutting through the coating.
- Tilt the SuperPIG and place the illuminated area at the intersection of the cut with the black line.
- Look through the microscope and turn the knob to focus on the inspection area.
- Read the graduation-scale and multiply the divisions with the D factor engraved on the SuperPIG, depending on µm or mil scale.

SPECIAL CARE

- Though robust in design, this instrument is precision-machined. Never drop it or knock it over
- Always clean the instrument after use.
- Clean the instrument using a soft dry cloth. Never clean the instrument by any mechanical means such as a wire brush or abrasive paper. This may cause, just like the use of aggressive cleaning agents, permanent damage.
- Always keep the instrument in its case when not in use.

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SAFETY PRECAUTIONS

- A knife is a sharp object. Be careful when using it.

DISCLAIMER

The right of technical modifications is reserved.

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

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