

Probe range

Elcometer 456

Scale 1: Range: 0-1500µm / 0-60mils

Accuracy ^{ae} :	±1-3% or ±2.5µm	±1-3% or ±0.1mil
Range ^d :	0-1500µm	0-60mils
Resolution:	0.1µm: 0-100µm 1µm: 100-1500µm	0.01mil: 0-5mils 0.1mil: 5-60mils
Certificate:	●	



	Description ^c	Part Number	Minimum Headroom	Minimum Sample Diameter ^b
Ferrous (F)				
	Straight Probe	T456CF1S	85mm (3.35")	4mm (0.16")
	Straight Probe, sealed	T456CF1E	85mm (3.35")	4mm (0.16")
	Ultra/Scan Probe	T456CF1U	86mm (3.38")	15mm (0.59")
	Ultra/Scan Probe, armoured cable	T456CF1UARM	29mm (1.14")	15mm (0.59")
	Right Angle Probe	T456CF1R	28mm (1.10")	4mm (0.16")
	Mini Probe - 90°, 45mm (1.77") long	T456CFM5R90A	16mm (0.63")	4mm (0.16")
	Mini Probe - 90°, 45mm (1.77") long, sealed	T456CFME5R90A	16mm (0.63")	4mm (0.16")
	Mini Probe - 90°, 45mm (1.77") long, 2m cable, sealed	T456CFME5R90A-2	16mm (0.63")	4mm (0.16")
	PINIP™ Integral Probe	T456CF1P	170mm (6.69")	4mm (0.16")
Non-Ferrous (N)				
	Straight Probe	T456CN1S	85mm (3.35")	4mm (0.16")
	Right Angle Probe	T456CN1R	28mm (1.10")	4mm (0.16")
	Mini Probe - 90°, 45mm (1.77") long	T456CNM5R90A	16mm (0.63")	4mm (0.16")
	Mini Probe - 90°, 150mm (5.90") long	T456CNM5R90C	16mm (0.63")	4mm (0.16")
	Mini Probe - 90°, 400mm (15.7") long	T456CNM5R90E	16mm (0.63")	4mm (0.16")
	Anodiser Probe	T456CN1AS	100mm (3.94")	4mm (0.16")
	PINIP™ Integral Probe	T456CN1P	180mm (7.09")	4mm (0.16")
Ferrous & Non-Ferrous (FNF)				
	Straight Probe	T456CFNF1S	88mm (3.46")	F: 4mm (0.16") N: 6mm (0.24")
	Straight Probe, armoured cable	T456CFNF1ARM	185mm (7.28")	F: 4mm (0.16") N: 6mm (0.24")
	Ultra/Scan Probe	T456CFNF1U	89mm (3.50")	15mm (0.59")
	Right Angle Probe	T456CFNF1R	38mm (1.50")	F: 4mm (0.16") N: 6mm (0.24")
	PINIP™ Integral Probe	T456CFNF1P	180mm (7.09")	F: 4mm (0.16") N: 6mm (0.24")

a. Whichever is the greater

b. FNF (F): FNF probe in F mode FNF (N): FNF probe in N mode

● Certificate supplied as standard.

c. Probe length is measured from X to Y

d. Excluding Ultra/Scan probe end cap

e. Ultra/Scan Probe calibrated using a sample of the uncoated substrate
Elcometer 456 probes are covered by a 1 year warranty

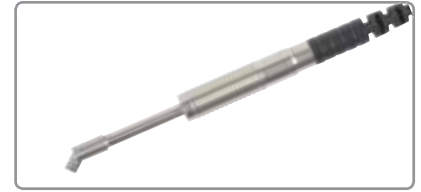



Probe range

Elcometer 456

Scale FM7: Range: 0.6-3.8mm / 25-150mils

Accuracy ^a :	±7.5% or ±114µm	±7.5% or ±4.5mils
Range ^f :	0.60-3.8mm	25-150mils
Resolution:	1µm: 0-1mm 10µm: 1-3.8mm	0.1mil: 0-139.3mils 1.0mil: 39.4-150mils
Certificate:	●	







	Description ^c	Part Number	Minimum Headroom	Minimum Sample Diameter ^b
Ferrous (F)				
	Mini Probe - 45°, 45mm (1.77") long	T456CFM7R45A	20mm (0.79")	6.5 mm (0.26")

Scale 6: Range: F: 0-25mm / 0-980mils N: 0-30mm / 0-1220mils

Accuracy ^a :	±1-3% or ±100µm	±1-3% or ±4.0mils
Range:	F: 0-25mm N: 0-30mm	F: 0-980mils N: 0-1200mils
Resolution:	10µm: 0-2mm 100µm: 2-30mm	1mil: 0-100mils 10mils: 100-1200mils
Certificate:	●	




	Description ^c	Part Number	Minimum Headroom	Minimum Sample Diameter ^b
Ferrous (F)				
	Straight Probe	T456CF6S	150mm (5.90")	51 x 51mm ² (2 x 2 inch ²)
	Straight Probe, armoured cable	T456CF6ARM	190mm (7.48")	51 x 51mm ² (2 x 2 inch ²)
Non-Ferrous (N)				
	Straight Probe	T456CN6S	160mm (6.30")	58mm (2.29")
	Straight Probe, armoured cable	T456CN6ARM	200mm (7.87")	58mm (2.29")

Scale 7: Range: 0-31mm / 0-1220mils

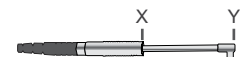
Accuracy ^a :	±1-3% or ±100µm	±1-3% or ±4.0mils
Range:	0-31mm	0-1220mils
Resolution:	10µm: 0-2mm 100µm: 2-31mm	1.0mil: 0-100mils 10mils: 100-1220mils
Certificate:	●	



	Description ^c	Part Number	Minimum Headroom	Minimum Sample Diameter ^b
Ferrous (F)				
	Straight Probe, armoured cable	T456CF7ARM	200mm (7.87")	55 x 55mm ² (2.17 x 2.17 inch ²)

a. Whichever is the greater
b. FNF (F): FNF probe in F mode FNF (N): FNF probe in N mode

c. Probe length is measured from X to Y
f. For Elcometer 456 Model T gauges only



● Certificate supplied as standard.

Elcometer 456 probes are covered by a 1 year warranty



Elcometer 122 Testex® Replica Tape

Elcometer 122 Testex® Tape consists of foam with a non-compressible backing.

The foam side is rubbed into the surface providing a permanent mould of the peak-to-valley profile, which can then be measured using the Elcometer 124 Thickness Gauge.

Elcometer 122 Testex® Tape is available in four profile ranges. It is important that the tape grade chosen is reflective of the profile being measured.

- For profiles between 12 & 25µm (0.5 & 1.0mils): Coarse Minus Tape
- For profiles between 20 & 38µm (0.8 & 1.5mils): Coarse Tape
- For profiles between 38 & 64µm (1.5 & 2.5mils): Average of Coarse and X-Coarse Tape
- For profiles between 64 & 115µm (2.5 & 4.5mils): X-Coarse Tape
- For profiles greater than 115µm (4.5mils): X-Coarse Plus Tape

There are 50 tests in each roll.



STANDARDS:

ASTM D 4417-C, BS 7079-C5, ISO 8503-5, NACE RP0287, SSPC PA 17, US Navy NSI 009-32, US Navy PPI 63101-000

Technical Specification

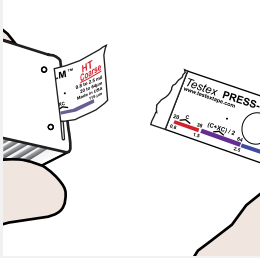
Description	Profile Range		Part Number			
	Metric	Imperial	1 Roll	Pack of 10	Pack of 50	Pack of 100
Elcometer 122 Coarse Minus	12 - 25µm	0.5 - 1.0mils	E122----A1	E122----A10	E122----A50	E122----A100
Elcometer 122 Coarse	20 - 64µm	0.8 - 2.5mils	E122----B1	E122----B10	E122----B50	E122----B100
Elcometer 122 X-Coarse	38 - 115µm	1.5 - 4.5mils	E122----C1	E122----C10	E122----C50	E122----C100
Elcometer 122 X-Coarse Plus	116 - 127µm	4.6 - 5.0mils	E122----F1	E122----F10	E122----F50	E122----F100

Accessories

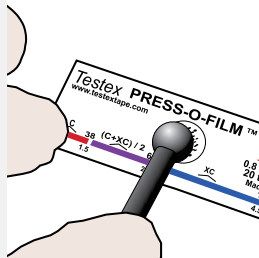
T12222498

Swizzle Sticks (Pack of 5)

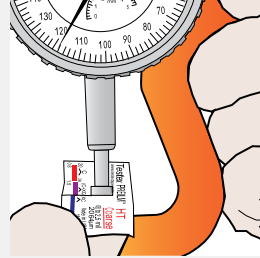
How to take a reading using the Testex® Replica Tape



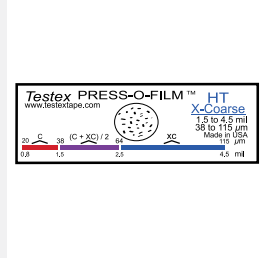
1. Tear off one section of the tape from the roll, peel off the backing tape and retain the back if required for future use.



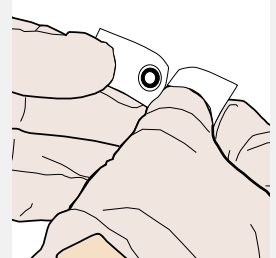
2. Stick the tape on to the test surface, and rub the central portion using the swizzle stick provided, or the end of a pen, pencil or similar rounded object until dark spots appear. This gives a surface replica.



3. Using a micrometer such as the Elcometer 124 Foil Thickness Gauge, measure the thickness of the central portion of the tape replica and subtract 50µm (2mils) from the reading. This result is the peak-to-valley profile height. Write the value on the tape.



4. If the value falls within the purple band on the coarse tape (38-64µm) then repeat the test as shown in step 2 using the extra coarse tape and then average the two values.



5. If the tape is required for future reference, replace the backing tape to preserve the imprinted profile.