



# ***Paint Test Equipment***





# Paint Test Equipment

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# Paint Test Equipment



Coating Thickness Meter



## Paint Test Equipment

### Coating Thickness Meter

The Coating Thickness Meter will measure all coatings on metallic substrates using the magnetic induction or eddy-current principles, ensuring the correct coating thickness has been applied.



One of the most advanced portable Coating Thickness Meters on the market, incorporating all the following user functions.

**Calibration.** Calibrate on any blasted profile or any shape of substrate using the Calibration Foils supplied.

**Calibration Memories.** The calibration settings for different substrates and shapes can be stored and recalled when required.

**Statistics.** shows Mean, Number of Readings, Max/Min, Coefficient of Variation and Standard Deviation.

**Limits.** Pass and fail with audible and visual alarm.

**Metric/Imperial.** Select measurement units.

**Batching.** Measurements can be stored into batches which incorporate batch number, job number, and date and time. You can also go back to previous batches and look at the statistics and add or cancel readings.

Download. Measurements, statistics and out-of-limit readings can be downloaded to a computer either by batch number or job number into Microsoft Word or Excel using the optional PC Download Cable (CA101).

#### Specification

Accuracy:  $\pm 1$  to 3%.

Resolution 0–1000 $\mu$ m/0–2000 $\mu$ m: 1 $\mu$ m (0.1mil).

Resolution 0–5.00mm: 0.01mm (0.1mil).

Resolution 0–20.0mm: 0.1mm (0.1mil).

#### Compliance

ISO 2008, ISO19840, ISO 2360, ISO 1461, ISO 2063, ASTM D7091, ASTM E376 and ASTM G12.



# Paint Test Equipment

## Supply

Supplied in an industrial foam-filled Carrying Case with Probes, set of 8 Calibration Foils and Zero Disks.

The PC Download Cable shown below is available as an optional extra.

The Calibration Certificates with traceability to UKAS are an optional extra.



## Ordering

- |       |   |
|-------|---|
| C5001 | Coating Thickness Meter. Inc CS301 Ferrous Probe 0–1000µm                             |
| C5002 | Coating Thickness Meter. Inc CS302 Ferrous Probe 0–2000µm & 0–5.00mm                  |
| C5003 | Coating Thickness Meter. Inc CS303 Ferrous Probe 1–20.0mm                             |
| C5004 | Coating Thickness Meter. Inc CS304 Non-Ferrous Probe 0–1000µm                         |
| C5005 | Coating Thickness Meter. Inc CS305 Non-Ferrous Probe 0–2000µm                         |
| C5006 | Coating Thickness Meter. Inc CS301 Ferrous Probe & CS304 Non-Ferrous Probe 0–1000µm   |
| C5007 | Coating Thickness Meter. Inc CS302 F Probe 0–2000µm/0–5.00mm & CS304 N Probe 0–2000µm |
| NC101 | Ferrous Probe Calibration Certificate   |
| NC102 | Non-Ferrous Probe Calibration Certificate   |
| NC002 | Calibration Foils Calibration Certificate   |
| CA101 | PC Download Cable   |



# Paint Test Equipment

## Ferrous Probes

CS301

0–1000 $\mu$ m



Probe Diameter: 9mm (360mils).

Working Headroom: 75mm (3").

Minimum Convex Radius: 4mm (160mils).

Minimum Concave Radius: 25mm (1").

Minimum Sample Area: 4mm (160mils).

CS302

0–2000 $\mu$ m &  
0–5.00mm



Probe Diameter: 15mm (600mils).

Working Headroom: 75mm (3").

Minimum Convex Radius: 10mm (400mils).

Minimum Concave Radius: 50mm (2").

Minimum Sample Area: 10mm (400mils).

CS303

1–20.0mm



Probe Diameter: 50mm (2").

Working Headroom: 150mm (6").

Minimum Convex Radius: 100mm (4").

Minimum Concave Radius: 500mm (20").

Minimum Sample Area: 100mm (4").

CA201

0–1000 $\mu$ m



Probe Diameter: 9mm (360mils).

Working Headroom: 40mm (1.5").

Minimum Convex Radius: 4mm (160mils).

Minimum Concave Radius: 25mm (1").

Minimum Sample Area: 4mm (160mils).



## Paint Test Equipment

### Ferrous Probes

Ferrous Probes for use with the Coating Thickness Meter. They will measure all non-ferromagnetic coatings on steel and iron. Example: Paint on steel, galvanising on steel, metal spray on steel and chrome on steel etc.

Accuracy:  $\pm 1$  to 3%

Resolution CS301:  $1\mu\text{m}$  (0.1mil).

Resolution CS302: 0.01mm (0.1mil).

Resolution CS303: 0.1mm (0.1mil).

The Calibration Certificate with traceability to UKAS is an optional extra.



### Ordering

- |       |  |
|-------|--|
| CS301 | Spare Ferrous Probe 0–1000 $\mu\text{m}$ (to fit C5001 & C5006 Thickness Coating Meters)           |
| CS302 | Spare Ferrous Probe 0–2000 $\mu\text{m}$ & 0–5.00mm (to fit C5002, C5007 Coating Thickness Meters) |
| CS303 | Spare Ferrous Probe 1–20.0mm (to fit C5003 Coating Thickness Meter)                                |
| CA201 | Ferrous Probe Right Angle 0–1000 $\mu\text{m}$ (to fit C5001 & C5006 Coating Thickness Meters)     |
| NC101 | Ferrous Probe Calibration Certificate  |



# Paint Test Equipment

## Non-Ferrous Probes

CS304

0–1000 $\mu$ m



Probe Diameter: 10mm (400mils).

Working Headroom: 75mm (3").

Minimum Convex Radius: 5mm (200mils).

Minimum Concave Radius: 25mm (1").

Minimum Sample Area: 5mm (200mils).

CS305

0–2000 $\mu$ m



Probe Diameter: 10mm (400mils).

Working Headroom: 75mm (3").

Minimum Convex Radius: 5mm (200mils).

Minimum Concave Radius: 25mm (1").

Minimum Sample Area: 5mm (200mils).

CA202

0–1000 $\mu$ m



Probe Diameter: 10mm (400mils).

Working Headroom: 40mm (1.5").

Minimum Convex Radius: 5mm (200mils).

Minimum Concave Radius: 25mm (1").

Minimum Sample Area: 5mm (200mils).





## Paint Test Equipment

### Non-Ferrous Probes

Non-Ferrous Probes for use with the Coating Thickness Meter. They will measure all non-conductive, non-ferromagnetic coatings on conductive non-ferrous substrates. Example: Paint on aluminium, paint on stainless steel and anodising on aluminium etc.

Accuracy:  $\pm 1$  to 3%.

Resolution CS304, CS305 & CA202:  $1\mu\text{m}$  (0.1mil).

The Calibration Certificate with traceability to UKAS is an optional extra.



### Ordering

- |       |  |
|-------|--|
| CS304 | Spare Non-Ferrous Probe 0–1000 $\mu\text{m}$ (to fit C5004 & C5006 Coating Thickness Meters)       |
| CS305 | Spare Non-Ferrous Probe 0–2000 $\mu\text{m}$ (to fit C5005 & C5007 Coating Thickness Meters)       |
| CA202 | Non-Ferrous Probe Right Angle 0–1000 $\mu\text{m}$ (to fit C5004 & C5006 Coating Thickness Meters) |
| NC102 | Non-Ferrous Probe Calibration Certificate  |



# Paint Test Equipment

## Calibration Foils

Calibration Foils for calibrating the Coating Thickness Meters.

All values shown are nominal values.

Foil Accuracy:  $\pm 2\%$ .

Supplied in packs of eight in a protective Wallet.

The Calibration Certificate with traceability to UKAS is an optional extra.



## Ordering

- |       |  |
|-------|--|
| F2001 | Spare Calibration Foils 0–1000 $\mu$ m (25, 50, 75, 125, 175, 250, 500, 750 $\mu$ m)   |
| F2002 | Spare Calibration Foils 0–40mils (1, 2, 3, 5, 7, 10, 20, 30mils)   |
| F2003 | Spare Calibration Foils 0–2000 $\mu$ m (50, 250, 500, 750, 1000, 1250, 1500, 2000 $\mu$ m)   |
| F2004 | Spare Calibration Foils 0–80mils (2, 10, 20, 30, 40, 50, 60, 80mils)   |
| F2005 | Spare Calibration Foils 0–5.00mm (50, 250, 500, 750, 1000, 1500, 2000, 3000 $\mu$ m)   |
| F2006 | Spare Calibration Foils 0–200mils (2, 10, 20, 30, 40, 60, 80, 120mils)   |
| F2007 | Spare Calibration Foils 1–20.0mm (5, 9.5, 15mm)  |
| F2008 | Spare Calibration Foils 1–800mils (200, 360, 600mils)  |
| FV001 | Calibration Foils Special Range. Select 8 values from the following: 12, 25, 37, 50, 63, 75, 100, 125, 150, 175, 190, 200, 225, 250, 275, 300, 350, 375, 500, 625, 750, 1000, 1250, 1500, 2000, 3000 $\mu$ m (also available in mils on request) |
| NC002 | Calibration Foils Calibration Certificate  |
| Z1003 | Spare Zero Disk Ferrous  |
| Z1004 | Spare Zero Disk Non-Ferrous  |
| Z1005 | Spare Zero Plate Ferrous (1–20mm Coating Thickness Meter)  |



# Paint Test Equipment



## Wet Film Gauge



# Paint Test Equipment

## Wet Film Gauge

The Wet Film Gauge will measure the paint thickness while the coating is still wet.



Manufactured in aluminium, the Wet Film Gauge can either be kept as a record for the wet film thickness taken or cleaned in solvents and reused.

Wet film thickness measurement should be taken as soon as possible after the coating application by pressing the Wet Film Gauge onto the coated flat surface so it touches the substrate. Allow sufficient time for the coating to wet the teeth before removing the Gauge.

The coating thickness can now be observed by looking at the base of the teeth. The Coating Thickness measurement lies between the coated tooth and next uncoated tooth.

### Specification

Material: Aluminium.

Number of teeth: 30

Teeth Values: 25, 50, 75, 100, 125, 150, 175, 200, 225, 250, 275, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 900, 1000, 1150, 1250, 1400, 1500, 1650, 1800, 2000µm.

### Compliance

ISO 2808 and ASTM D4414.



# Paint Test Equipment

## Supply

Supplied in packs of 10.



## Ordering

W5001 Wet Film Gauge (Aluminium) 25–2000µm (pack of 20)

NWC01 Wet Film Gauge (Aluminium) Conformance Certificate



# Paint Test Equipment



## Paint Inspection Kit



# Paint Test Equipment

## Paint Inspection Kit

The Paint Inspection Kit contains all the essential equipment needed for the testing of blast-cleaned steel and coating inspection using the following equipment.



Testex Replica Tape / Replica Tape Gauge. Surface Profile measurement of blast-cleaned steel.

Bresle Test. Measurement of salts and corrosion products on blast-cleaned steel.

Dust Tape Test. Assessment of the quantity and size of dust particles on blast-cleaned steel.

Dewpoint Meter. Testing for the probability of condensation on blast-cleaned steel.

Wet Film Gauge. Wet film thickness measurement of the coating.

Coating Thickness Meter. Dry film thickness measurement of the coating.

The Paint Inspection Kit is supplied with the C5001 Ferrous 0–1000µm Coating Thickness Meter. Other models of Coating Thickness Meters are available on request to cater for thicker coatings and Non-Ferrous substrates.

### Compliance

Testex Replica Tape: ISO 8503-5, ASTM D4417 and NACE SP0287.

Bresle Patch Test: ISO 8502-6 and ISO 8502-9.

Dust Tape Test: ISO 8502-3.

Dewpoint Meter: ISO 8502-4.

Wet Film Gauge: ISO 2808 and ASTM D4414.

Coating Thickness Meter: ISO 2008, ISO19840, ISO 2360, ISO 1461, ISO 2063, ASTM D7091, ASTM E376 and ASTM G12.



## **Paint Test Equipment**

### **Supply**

Testex Replica Tape X Coarse (50 impression roll), Replica Tape Gauge and Burnishing Tool.

Bresle Patches (pack of 35), Conductivity Meter, 500ml Deionised Water, 5ml Syringe with Needle, Calibration Solution (14ml), Conditioning Solution (14ml) and 25ml Beaker.

Dust Test Tape (60m roll), Dust Test Comparator (pack of 50) and X10 Illuminated Magnifier.

Dewpoint Meter and Humidity Sensor.

Wet Film Gauge (pack of 5).

Coating Thickness Meter (C5001), Ferrous Probe, set of 8 Calibration Foils and Zero Disk.

Calibration Certificates with traceability to UKAS are an optional extra.

### **Ordering**

K3001      Paint Inspection Kit

NK002      Paint Inspection Kit Calibration Certificates





# Paint Test Equipment



## Holiday Detector



## Paint Test Equipment



### Holiday Detector

The Holiday Detector is a DC voltage Holiday Detector for detecting pinholes and flaws in insulated coatings on conductive substrates.

Where coatings have to provide an effective safeguard against corrosion, it is essential that any pinholes or flaws that will eventually lead to corrosion are detected at the earliest possible stage, preferably immediately after the coating application.

The test voltage is of high impedance, enabling safe testing, and does not damage or cause burn marks to the coating.

The Holiday Detector is a compact and lightweight instrument, which can easily be carried by the operator with the supplied Carry Bag.

### Specification

Accuracy:  $\pm 1\%$ .

Resolution S4001: 0.01kV.

Resolution S4002 & S4003: 0.1kV.

Voltage Type: DC.

### Compliance

ISO 29601, ISO 2746, ASTM D5162, ASTM G62, NACE SP0274, NACE SP0188 and NACE SP0490.



## Paint Test Equipment

### Supply

Supplied in an industrial foam-filled Carrying Case with High Voltage Probe, Band Brush, 10m Earth Cable and Carry Bag.

Calibration Certificate with traceability to UKAS is an optional extra.



### Ordering

S4001	DC Holiday Detector 0.5–6Kv (maximum test thickness 1100 $\mu$ m) Inc High Voltage Handle
S4002	DC Holiday Detector 1–20Kv (maximum test thickness 3700 $\mu$ m) Inc High Voltage Handle
S4003	DC Holiday Detector 1–30Kv (maximum test thickness 8000 $\mu$ m) Inc High Voltage Handle
NS001	DC Holiday Detector Calibration Certificate
SS003	Spare Earth Cable 10m
SA004	Earth Cable 25m
SS001	Spare Band Brush
SS002	Spare High Voltage Handle



## Paint Test Equipment

### Broad Brushes

Brass-filled Brushes for the testing of coatings on large flat areas using the Holiday Detector.

All Broad Brushes come complete with the connector assembly.



### Ordering

- SA502 Broad Brush 200mm (8")
- SA503 Broad Brush 500mm (20")



## Paint Test Equipment

### Rolling Springs

Phosphor Bronze Rolling Springs for the testing of coatings on the external diameter of pipes using the Holiday Detector.

All Rolling Springs require the SA490 Rolling Spring Connector. One Rolling Spring Connector can be used on multiple Rolling Springs.



### Ordering

SA404	Rolling Spring 4" (102mm)
SA406	Rolling Spring 6" (152mm)
SA408	Rolling Spring 8" (203mm)
SA410	Rolling Spring 10" (254mm)
SA412	Rolling Spring 12" (305mm)
SA414	Rolling Spring 14" (356mm)
SA416	Rolling Spring 16" (406mm)
SA418	Rolling Spring 18" (457mm)
SA420	Rolling Spring 20" (508mm)
SA424	Rolling Spring 24" (610mm)
SA430	Rolling Spring 30" (762mm)
SA436	Rolling Spring 36" (914mm)
SA442	Rolling Spring 42" (1067mm)
SA448	Rolling Spring 48" (1219mm)
SA490	Rolling Spring Connector

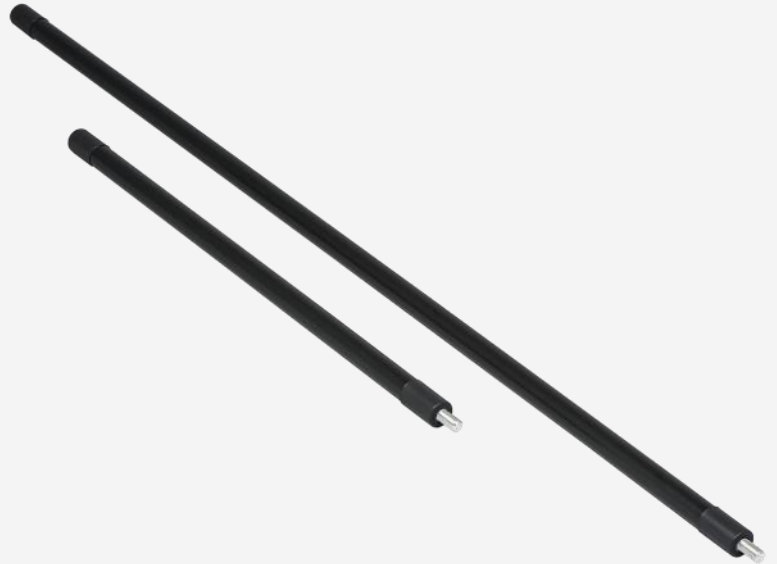


# Paint Test Equipment

## Extension Rods

Insulated Extension Rods for extending the reach of the Brushes and Rolling Springs using the Holiday Detector.

Extension Rods can be connected together to make longer lengths when using Circular Brushes down long pipes.



## Ordering

- SA002      Extension Rod 500mm (20")
- SA003      Extension Rod 1000mm (40")



# **Paint Test Equipment**



## **Adhesion Tester**



## Paint Test Equipment

### Adhesion Tester

The Adhesion Tester is one of the most accurate and versatile adhesion testers currently available. It measures the adhesion bond strength of applied coatings with ease and precision.



The adhesion is measured by the tensile pull on a Dolly glued to the coating surface. The force is applied through the centre of the Dolly by a hydraulically loaded pin. This ensures an exactly central point-loading of the force.

The maximum value achieved at pull-off is recorded by a reset needle that is easily read on the large scale of the pressure gauge.

Ensures effective quality control with a non-destructive capability. To allow the specification minimum to be proven, the dolly can be removed using the heated dolly remover supplied. If necessary, the dolly can be left in place for testing during service as part of a planned maintenance programme.

#### Specification

Pressure Gauge resolution: psi 20, Mpa 0.2.

Accuracy:  $\pm 1\%$ FSD.

#### Compliance

ISO 4624 and ISO 16276-1 and ASTM D4541.

The Right Angle version of the Adhesion Tester enables the user to test the adhesion of coatings inside pipes with a minimum diameter of 150mm (6").







## Paint Test Equipment

### Supply

Supplied in an industrial foam-filled Carrying Case with 5 Flat Dollies, Adhesive, Heated Dolly Remover, Dolly Cleaning Tool and Dolly Plug.

The Calibration Certificate with traceability to UKAS is an optional extra.



### Ordering

- X1003 Analogue Adhesion Tester (Standard) 0–3500psi (0–25MPa)
- X1004 Analogue Adhesion Tester (Right angle) 0–3500psi (0–25MPa)
- NX001 Adhesion Tester Calibration Certificate
- XS101 Spare Flat Dolly (pack of 5)
- XS102 Spare Turbo Fuse Adhesive
- XS103 Spare Dolly Plug (pack of 5)



# Paint Test Equipment

## Concave Dollies

The Adhesion Tester can test external surfaces of pipes. Because the load reacts internally within the dolly, curved surfaces of pipes can be easily tested.

To obtain a uniform tensile load, Concave Dollies machined to match the diameter under test need to be used. External diameters as small as 51mm (2").



## Ordering

XA201	Concave Dolly 2" (51mm)
XA202	Concave Dolly 3" (76mm)
XA203	Concave Dolly 4" (102mm)
XA204	Concave Dolly 6" (152mm)
XA205	Concave Dolly 8" (203mm)
XA206	Concave Dolly 10" (254mm)
XA207	Concave Dolly 12" (305mm)
XA208	Concave Dolly 14" (356mm)
XA209	Concave Dolly 16" (406mm)
XA210	Concave Dolly 18" (457mm)
XA211	Concave Dolly 20" (508mm)
XA212	Concave Dolly 24" (610mm)
XA213	Concave Dolly 30" (762mm)
XA214	Concave Dolly 36" (914mm)



# Paint Test Equipment

## Convex Dollies

The Adhesion Tester can test internal surfaces of pipes. Because the load reacts internally within the dolly, curved surfaces of pipes can be easily tested.

To obtain a uniform tensile load, Concave Dollies machined to match the diameter under test need to be used. Internal diameters as small as 152mm (6") can be tested.



## Ordering

XA215	Convex Dolly 6" (152mm)
XA216	Convex Dolly 8" (203mm)
XA217	Convex Dolly 10" (254mm)
XA218	Convex Dolly 12" (305mm)
XA219	Convex Dolly 14" (356mm)
XA220	Convex Dolly 16" (406mm)
XA221	Convex Dolly 18" (457mm)
XA222	Convex Dolly 20" (508mm)
XA223	Convex Dolly 24" (610mm)
XA224	Convex Dolly 30" (762mm)
XA225	Convex Dolly 36" (914mm)



# Paint Test Equipment



Testex Tape



## Paint Test Equipment

### Testex Tape

A unique replica technique and a snap gauge enable accurate, blast-cleaned surface profile measurements. Testex Tape makes Surface replicas easy to obtain and produces average maximum peak-to-valley readings that ensure optimum blasting effectiveness. Replicas can be retained for future needs.



The Testex Gauge is used to measure the Testex Tape replica and determine the average maximum peak-to-valley height of the blasted profile.

#### Principle

The replica film in the Testex Tape consists of a layer of crushable plastic microfilm coated onto a polyester substrate of a highly uniform thickness 50µm (2mil). When compressed against a hard surface, the Microfoam collapses to about 25% of its original thickness.

During compression the foam acquires an impression of the surface against which it is burnished. The highest peaks on the test surface displace the fully compressed foam and come to rest against the polyester substrate. The deepest valleys on the test surface create the highest peaks on the replica.

This method measures an average maximum peak-to-valley profile. The anvils of the Testex Gauge flatten the replica profile slightly so that the reading equates to an average maximum value.

#### Specification

Testex Gauge accuracy:  $\pm 1\%$ FSD.

Temperature: Produces accurate replicas on surface temperatures of -10 to +65°C.

Storage: Do not expose the Testex Tape to any extremes of temperature or daylight.

Shelf Life: The replica foam has no expiry date. The only degeneration is the adhesive on the Tape. We would recommend that the Tape is used within a 12-month period from date of purchase.

#### Compliance

ISO 8503-5, ASTM D4417 and NACE SP0287.



## Paint Test Equipment

### Supply

The Testex Gauge is supplied in an industrial foam-filled Carrying Case with a Burnishing Tool.

The Testex Gauge Calibration Certificate with traceability to UKAS is an optional extra.



### Ordering

- |       |  |
|-------|--|
| R1001 | Testex Tape Coarse (50 impressions) 20–64 $\mu$ m (0.8–2.5mils)    |
| R1002 | Testex Tape X Coarse (50 impressions) 40–115 $\mu$ m (1.5–4.5mils) |
| R1004 | Testex Gauge. Inc Burnishing Tool                                  |
| NR001 | Testex Gauge Calibration Certificate                               |
| NRC02 | Testex Tape Conformance Certificate                                |
| RS001 | Spare Burnishing Tools (pack of 20)                                |



# ***Paint Test Equipment***



## **Blast Profile Comparator**



## Paint Test Equipment

### Blast Profile Comparator

A precision nickel Comparator plate for grit and shot-blast surface roughness comparison measurement.



When steel has been blast-cleaned, the surface consists of random irregularities with peaks and valleys that are not easily characterised. Because of this random nature, experts have recommended that the profile should be identified as either angular (where grit abrasives have been used) or dimpled (where shot abrasives have been used) and that they should be graded as fine, medium or coarse with each grade being defined by limits specified in ISO 8503.

The Blast Profile Comparator method is applicable to steel surfaces that have been blast-cleaned with either metallic or non-metallic abrasives to grades Sa 2½ and Sa 3.

When a mixture of shot and grit abrasives are used to blast-clean a substrate, the Grit Surface Blast Profile Comparator should be used.

#### Specification

Profile Segment 1: Grit 25µm. Shot 25µm.

Profile Segment 2: Grit 60µm. Shot 40µm.

Profile Segment 3: Grit 100µm. Shot 70µm.

Profile Segment 4: Grit 150µm. Shot 100µm.

#### Compliance

ISO 8503-1, ISO 8503-2 and ASTM D4417.





## **Paint Test Equipment**

### **Supply**

The Roughness Comparator is supplied in a protective Wallet.

A X5 Illuminated Magnifier for viewing the Comparator is available as an optional extra.



### **Ordering**

- |       |  |
|-------|--|
| R2006 | Blast Profile Comparator Grit                    |
| R2007 | Blast Profile Comparator Shot                    |
| NRC01 | Blast Profile Comparator Conformance Certificate |



# Paint Test Equipment



## Bresle Patch Test



## Paint Test Equipment

### Bresle Patch Test

The Bresle Test will measure water-soluble salts and corrosion products on blast-cleaned steel. These compounds are almost colourless and are localized at the lowest point of the rust pits.



If they are not removed prior to painting, chemical reactions can result in blister formation and accumulations of rust that destroy the adhesion between the substrate and the applied protective coating.

#### Specification

Conductivity Meter Accuracy:  $\pm 2$ .

Conductivity Meter range: 0–1999 $\mu$ S/cm.

Conductivity Meter resolution: 1 $\mu$ S/cm.

Storage: Do not expose the Bresle Patches to any extremes of temperature or daylight.

Shelf Life: The only degeneration on the Bresle Patches is the adhesive if exposed to extremes of temperature.

We would recommend that the Bresle Patches are used within a 12-month period from date of purchase.

#### Compliance

ISO 8502-6 and ISO 8502-9.



## Paint Test Equipment

### Supply

Supplied in an industrial foam-filled Carrying Case with Bresle Patches (pack of 35), Conductivity Meter, 500ml Deionised Water 500ml, 5ml Syringe with Needle, Calibration Solution (14ml) Conditioning Solution (14ml) and 25ml Beaker.

The Conductivity Meter Calibration Certificate with traceability to UKAS is an optional extra.



### Ordering

- |       |   |
|-------|---|
| P2005 | Bresle Test. Includes 35 Bresle Patches                         |
| PS002 | Bresle Patches (pack of 35)                                     |
| PS003 | Spare Deionised Water (500ml)                                   |
| PS004 | Spare Syringes with Needles (pack of 20)                        |
| PS005 | Spare Conductivity Meter Calibration Solution (pack of 6)       |
| PS006 | Spare 25ml Beakers (pack of 5)                                  |
| PS007 | Spare Conductivity Meter Sensor Measurement Head                |
| PS008 | Spare Conductivity Meter Conditioning Solution (pack of 6)      |
| NP001 | Conductivity Meter Calibration Certificate                      |
| NPC01 | Conductivity Meter Calibration Solution Conformance Certificate |
| NPC04 | Bresle Patches Conformance Certificate                          |



# Paint Test Equipment



## Dust Tape Test



# Paint Test Equipment

## Dust Tape Test

Assess the quantity and size of dust particles on steel surfaces prepared for painting. Dust particles on blast-cleaned steel surfaces may reduce the adhesion of applied coatings, and by absorbing moisture may promote the corrosion of the steel surface.



Accumulation of dust particles occurs more naturally on horizontal surfaces, the interior of pipes and in structural cavities. Inspection should be carried out to ensure that such areas are adequately cleaned and free from dust particles before painting.

The Dust Test Comparator shows 5 classifications of dust particles and 4 sections of contrasting backgrounds where the Tape can be applied.

The Dust Tape Test is suitable for the assessment of dust particles retained after blast-cleaning on rust grades A, B and C.

Because of the limited elasticity of the Tape, it is not possible to penetrate into the deep pits present on blast-cleaned steel rust grade D.

### Specification

Tape adhesion strength: 190nN/metre.

Tape width: 25mm (1").

Tape length: 60 metres.

Tape Storage: Do not expose the Tape to any extremes of temperature or daylight.

Tape Shelf Life: We would recommend that the Tape is used within a 12-month period from date of purchase.

### Compliance

ISO 8502-3.



## Paint Test Equipment

### Supply

Supplied in an industrial foam-filled Carrying Case with Dust Test Tape (60m roll), Dust Test Comparator and X10 Illuminated Magnifier.

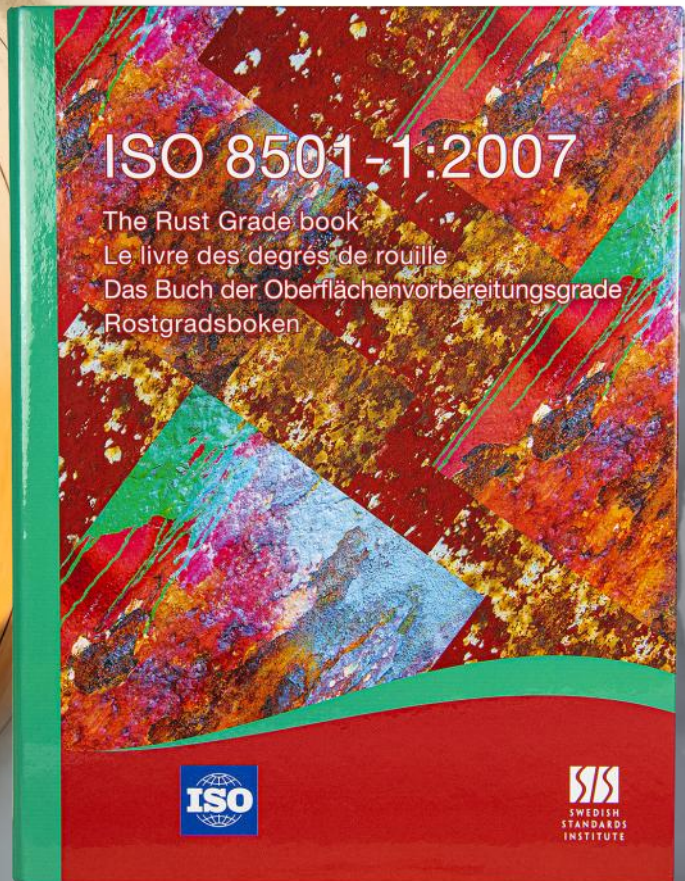


### Ordering

- P4001 Dust Tape Test. Includes Dust Test Tape & Dust Test Comparator
- PS201 Spare Dust Test Tape 25mm (1"). 60m Roll
- PS202 Spare Dust Test Comparator
  
- NPC05 Dust Test Tape Conformance Certificate
- NPC06 Dust Test Comparator Conformance Certificate



# Paint Test Equipment



## Rust Grade Book

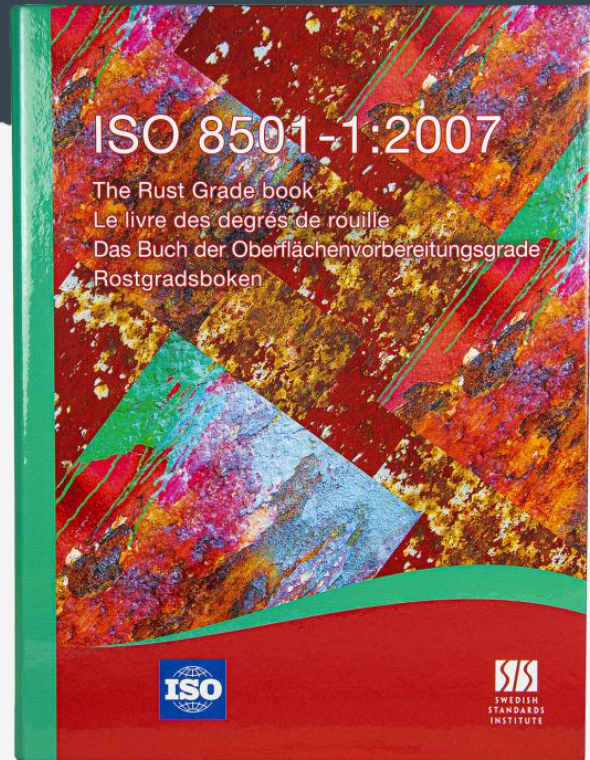




## Paint Test Equipment

### Rust Grade Book

The Rust Grade Book specifies a series of Rust Grades and Preparation Grades of blast-cleaned steel surfaces. The various Grades are defined by written descriptions together with photographs.



The Book identifies four levels (designated as Rust Grades) of mill scale and rust that are commonly found on surfaces of uncoated erected steel and steel held in stock. It also identifies certain degrees of visual Cleanliness (designated as Preparation Grades) after surface preparation of uncoated steel surfaces and of steel surfaces after overall removal of any previous coating.

Four Rust Grades, designated A, B, C, and D respectively are specified.

There are also fourteen Preparation Grades by blast-cleaning, indicating the degree of cleaning, together with detailed descriptions of the surface appearance to the following Sa Grades.

- Grade Sa 1. Light blast-cleaning.
- Grade Sa 2. Thorough blast-cleaning.
- Grade Sa 2½. Very thorough blast-cleaning.
- Grade Sa 3. Blast-cleaning to visually clean steel.

### Specification

Compiled by: ISO.

Edition: Second. 2007-05-01.

Translation: English, French, German & Swedish.

### Compliance

ISO 8501-1



## Paint Test Equipment

The Rust Grades and Preparation Grades shown are examples taken from the Rust Grade Book to show the quality of the pictures and to assist with the understanding of the book.



## Ordering

- U1007 Rust Grade Book (ISO 8501-1)
- NPC08 Rust Grade Book Conformance Certificate



# Paint Test Equipment



Dewpoint Meter



## Paint Test Equipment

### Dewpoint Meter

The Dewpoint Meter enables testing for the estimation of the probability of condensation on a surface to be painted and establishing whether conditions are suitable for painting or not.



The steel surface temperature generally should be at least 3°C above the dew point when paints are applied. Below this temperature the Dewpoint Meter will sound an alarm and the display colour will change to warn you that the surface conditions are not suitable to paint.

Measurements of relative humidity, dew point, air temperature, Surface temperature and surface temperature proximity to dew point (delta T) are shown.

Built in infrared thermometer for surface temperature measurements.

Interchangeable Humidity Sensor allows the user to replace damaged or out-of-calibration-date Sensor.

#### Specification

Accuracy Humidity Sensor: 10–90% ±2%rh.  
0–10/90–100% ±3%rh.

Resolution Humidity Sensor: 0.1%rh.

Resolution Temp: 0.1°C (0.2°F).

Accuracy infrared Thermometer: ±2%.

Range infrared Thermometer: -20°C to 80°C.  
(-4°F to 176°F)

#### Compliance

ISO 8502-4.



## Paint Test Equipment

### Supply

Supplied in an industrial foam-filled Carrying Case with a Humidity Sensor.

The Calibration Certificates with traceability to UKAS are an optional extra.

IR Based – With 12:1 (D:S) Ratio  
Range -4°F to 176°F (-20°C to 80°C)  
Accuracy  $\pm 3.6^\circ\text{F}$  ( $\pm 2^\circ\text{C}$ )



### Ordering

- H4001 Dewpoint Meter 1–100%rh/-10 to 70°C (14–160°F). Inc Humidity Sensor
- HS301 Spare Humidity Sensor 0–100%rh/-10 to 70°C (14 to 160°F)
- NH101 Humidity Sensor Calibration Certificate
- HA001 PC Download Cable

# About Us

Paint Test Equipment is a global leader in the manufacture of specialist test equipment specifically for the industrial painting and coating industries for the protection of steel assets from corrosion, mainly in the oil, renewables and steel construction sectors. We have over 40 years experience and extensive knowledge in delivering practical solutions in supporting our customers with world class products for corrosion prevention.

Prevention of corrosion on steel is essential to extend the asset lifetime, optimise performance and minimise downtime for expensive maintenance work. Using Paint Test Equipment products ensures that industrial coatings are applied to the highest achievable quality standards of ISO compliance.

We supply small, medium and multinational companies with the full range of technologies and innovations in our unrivalled portfolio of products for our customers to grow their business and enhance profits through cost effective corrosion management equipment.

Paint Test Equipment is committed to providing proactive and innovative solutions to meet customer requirements for the highest quality, user friendly inspection equipment. Paint Test Equipment is the partner of choice.

Paint Test Equipment reserves the right to alter specifications without prior notice.  
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**Paint Test Equipment**

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