

byko-test Lite

Dry Film Thickness Gage

The byko-test lite is a Ferrous/Non-Ferrous film thickness gage with a compact design for easy handling. The gage body is made from impact resistant material.

The byko-test lite is easy to use. The operate buttons are large for users wearing gloves. It automatically recognizes the substrate and switches to the correct setting. An automatic switch-off ensures long battery life.

The large color display with a backlight is readable in high and low lighting conditions. The display will automatically rotate to the correct viewing position.

In the statistic mode average, minimum, maximum, and standard deviation are displayed. The measurements are automatically stored and downloadable to a PC with the optional USB cable and software.

- Compact design for one hand operation
- Color display with 90° and 180° flip screen
- Automatic substrate recognition
- Strong wear resistant ruby probe tip
- Zero point calibration
- Key lock for only taking readings
- Hi/Low tolerance settings for pass/fail warning
- Statistic mode with 1000 measurement memory
- Continous measurement mode
- Stability mode warns user when instrument is tilted preventing wrong readings



Standards

| | |
|-------------------|-------------------------------|
| ASTM | B 499, D 1186, D 1400, D 7091 |
| BS | 3900 Part C5, 5411 (3,11) |
| DIN | 50981, 50984 |
| DIN EN ISO | 2360, 2808 |
| EN ISO | 2178 |

Ordering Information

| Cat. No. | Description |
|-------------|--------------------------|
| 3791 | byko-test lite |
| 3794 | byko-test lite Certified |

Comes complete with:

3791:

Instrument
Zero plates (Fe & NFe), Calibration shim (1)
2 AA batteries, Manual, Carrying case

3794:

Instrument
Zero plates (Fe & NFe), Calibration shim (1)
Calibration Certificate
2 AA batteries, Manual, Carrying Case

Accessories

| Cat. No. | Description |
|-------------|----------------------|
| 3798 | byko-test Software |
| 3799 | USB cable, byko-test |

Technical Specifications

| | |
|--------------------------|---|
| Substrate Fe | Steel or Iron |
| Substrate NFe | Non-magnetic metals: aluminum, copper, brass, zinc, stainless steel |
| Measurement Range | 0 - 2000 microns 0 - 79 mils |
| Accuracy | ± 2 microns + 3% of measured value ±0.78 mils + 3% of measured value |
| Minimum Curvature | Convex 5 mm (0.20 in); Concave 30 mm (1.2 in) |
| Minimum Substrate | Fe: 0.2 mm (0.008 in); NFe: 0.05 mm (0.002 in) |
| Memory | 1000 readings |
| Dimensions | 115 x 67 x 44 mm (4.53 x 2.65 x 1.75 in) |
| Weight | 160g (5.6 oz) |

byko-test

Film Thickness and Dew Point in one

The byko-test offers a unique solution to monitor environmental conditions while measuring dry film thickness. Air temperature and humidity sensors are built into the gage. The dew point temperature is displayed to determine, if the conditions are right for painting.

The byko-test complies with SSPC PA-2 and ASTM D 7091 methods for the measurement of coating thickness. There is a SSPC mode to assist the operator on measurement protocols and calibration.

The large, rotating color display is readable in high and low light conditions. The byko-test is easy to use with large operating buttons ideal for users wearing gloves.

- **Four measurements in one instrument:**
 - Film thickness Fe/NFe
 - Dew Point, Air Temperature, Relative Humidity
- **SSPC specific mode** for standardized measurement protocols and calibration routines
- Compact design for one hand operation
- Color display with 90° and 180° flip screen
- Automatic substrate recognition
- Strong wear resistant ruby probe tip
- Zero, single and two point calibrations
- Key lock for only taking readings
- Hi/Low tolerance settings for pass/fail warning
- Statistic mode with 1000 measurement memory
- Continuous measurement mode
- Stability mode warns user when instrument is tilted preventing wrong readings

Ordering Information

| Cat. No. | Description |
|----------|-------------|
| 3790 | byko-test |

Comes complete with:

Instrument
Zero Plates (Fe & NFe)
Calibration shims (5)
2 AA batteries
USB cable
Data transfer software
Manual
Carrying case

Accessories

| Cat. No. | Description |
|----------|----------------------|
| 3799 | USB cable, byko-test |



Standards

| | |
|------------|-------------------------------|
| ASTM | B 499, D 1400, D 7091, D 1186 |
| BS | 3900 Part C5, 5411 (3,11) |
| DIN | 50981, 50984 |
| DIN EN ISO | 2360, 2808 |
| EN ISO | 2178 |
| SSPC | PA2 |

Technical Specifications

| | |
|--------------------------------|---|
| Substrate Fe | Steel or Iron |
| Substrate NFe | Non-magnetic metals: aluminum, copper, brass, zinc, stainless steel |
| Film Thickness Measuring Range | 0 - 2000 microns, 0 - 79 mils |
| Accuracy | ±2 microns +3% of measured value ±0.78 mils + 3% of measured value |
| Temperature Measurement Range | -10° - 60°C, 14° - 140°F |
| Accuracy | ±0.5°C, ±0.9°F |
| Relative Humidity Measurement | 0 - 100 %RH |
| Accuracy | 20 - 80%RH = 3.5% 0 - 20% & 80 - 100%RH = 5.0% |
| Minimum Curvature | Convex 5 mm (0.20 in) Concave 30 mm (1.2 in) |
| Minimum Substrate Thickness | Fe: 0.2 mm (0.008 in) NFe: 0.05 mm (0.002 in) |
| Memory | 1000 readings |
| Dimensions | 115 x 67 x 44 mm (4.53 x 2.65 x 1.75 in) |
| Weight | 160 g (5.6 oz) |