760 Coating Thickness Gauge

Product Datasheet

Tekneka 760 coating thickness gauge has magnetic induction (ferrous) or eddy current (non-ferrous) to take accurate non-destructive measurements of coating and dry film thickness (DFT) on metal substrates such as steel and aluminium. It has measuring ranges from 0 to 5000µm [±(2%+1µm)] accuracy and easy-to-do calibration adjustment with four points/zero-point option using standard foils. It gives you fast measurement and the best repeatability with high accuracy of measured results. Users can store up to 1,300 readings in multiple batches/group modes and transfer the data through Bluetooth. Users can also measure real-time data and represent it in the form of listed values/graphs/bars using a mobile application. This coating thickness gauge is ideal for painted and powder-coated surface testing, automotive paint inspection, coated material testing, and manufacturing quality control applications.

Features

- LCD display with 2.4-inch high contrast colors with adaptive screen rotation
- Measures both Fe & NFe materials up to 5000µm (other ranges customizable)
- It has Bluetooth connectivity for real-time viewing on your mobile
- Users can view live graphs, trends, histograms, and statistics data on the device
- Users can record up to 1,300 points as a batch with multiple groups (10 Batches/13 Groups/10 Points)
- Download stored data in a detailed report (.pdf/.txt) using a mobile application
- IMO PSPC 90/10 mode (“PASS” or “FAIL” determination based upon the NDFT value)
- Very fast & best repeatability with high accuracy of measured results
- Comes with an in-built measuring mode specifically for car & general applications
- Accurate measurements on smooth, rough, thin, and curved surfaces
- Users can perform zero-point calibration and multi-point calibration (up to 4 points)
- Easy to recall the readings and delete specific readings
- Comes with an alarm feature to set high/low limits for each general group
- It can be interfaced with software for real-time measurement and data export
- PC interface through USB and data export in “.txt” format
- Auto power off and low battery indicator
- Statistics Display: No. of readings, Mean, Min, Max & Standard deviation, Coefficient of variation, Numbers below/above limit

Applications

Widely used to Test Car Paints, Electroplating, Surface Technology, Pipelines Anti-Corrosion Coating, Chemical Equipment, Mechanical Equipment Surface Anti-Corrosion, Inspection, and Quality Control of products.

Description	Ranges
Measuring Range (Fe & NFe)	0 to 5000µm (0 to 196.8 mils)
Accuracy	±(2% + 1µm)/±(2% + 0.39 mils)
Display Resolution	0.1µm (0 to 99.9µm)/1µm (≥100µm)
Units	µm, mm, mils, inch
Measuring Principle	Fe: Magnetic Induction, NFe: Eddy Current
Calibration	1 to 4 points & ZERO point calibration
Precision Standard Foil Thickness	99, 482, 997, 2020, 3970µm (included)
Bluetooth Connectivity	Yes (realtime data & export in .pdf/.txt file)
Memory Range (10 Batches-13 Groups)	Maximum 1,300 readings
Statistics Options	No. of readings, Mean, Min, Max, Standard deviation, Coefficient of variation, Numbers below/above limit
Measuring Area	Ø15mm (minimum)
Minimum Curvature Radius	Convex: 5mm | Concave: 25mm
Minimum Substrate	Fe: 0.20mm | NFe: 0.03mm
Alarm	Higher/Lower limits
Measuring Rate	Maximum 2 readings
Interface	Download data via USB
Power Supply	2 x AA 1.5V Alkaline battery
Operating Temperature	-10 to 50°C (14 to 122°F)
Built Material	Acrylonitrile Butadiene Styrene (ABS)
Device/Packing Dimension	146 x 76 x 32mm/Box: 26 x 22.5 x 7.5cm
Weight	Net: 134g/Gross: 776g
Standard Compliance	ISO 2178, 2360

Packing Includes

- 760 Coating Thickness Gauge
- Standard Foils & Zero Plates
- 2 x AA Batteries
- Holding Strap
- User Manual

Ordering Info.

- 760.....Coating Thickness Gauge Kit
- ZP100.....Zero Plates (Fe & NFe)
- A760-CF.....Calibration Foils

Scan & Download
IOS Application