datacolor FIND™

AUTOMOTIVE COATING MATCHES

Specialized Color Control

mobile solution
integrated formulation archive

datacolor SPECTRUM™
family of solutions

datacolor

FIND™

Automotive Coating Matches

Datacolor FIND™ – A new solution for car refinishing applications.

For years Datacolor has developed successful solutions for the automotive industry. Datacolor FIND extends the product offering to repair paint distribution centres and car body shops, replacing the common colour swatches used to find the correct car refinishing colour.

How does it work? The solution is based on the Datacolor CHECK™, a portable spectrophotometer that is used in many colour related industries. The unit integrates a PDA which allows the storage of up to 65,000 colours with related car repair recipes and this totally portable and independent from any PC. Search criteria's can be defined to look for specific automotive brands, model and year made.

Datacolor FIND features:

- Full PDA functionality including Infrared/Serial printer connection, no PC required
- Color and recipe search and display
- Onboard storage of up to 65000 colors and related recipes
- Recipe output with single and cumulated amounts
- Free definition of total batch amount
- Variable Search criteria such as car manufacturer, fleet owner and year made or search the complete database
- Definable application settings such as First Illuminant for search, Coarseness to specify the requested aluminium flake, Search Depth to balance between speed and accuracy, and setting a DE search tolerance

System Specifications

Description	One-piece tower configuration portable spectrophotometer. Customized PDA interface
Size	9.7 cm x 9.5 cm x 24.1 cm 3.85 in x 3.75 in. x 9.7 in.
Display	320 x 320 pixels; 5.7 cm x 5.7 cm; 2.25 in. x 2.25 in.
Weight	1 Kg/2.2 lbs.
Measuring Principle	Dual beam sphere. Automatic specular port
Measuring Geometry	Diffuse illumination 8º viewing in conformance with CIE publication No. 15.2 Colorimetry
Light Source	Pulsed xenon
Spectral Range	400 – 700nm
Effective Bandwidth	10nm
Wavelength Bandwidth	2nm
Spectrometer Principle	Concave holographic grating
Detector	Proprietary active pixel dual 256 element diode array
Sphere Diameter	51mm/2 in.
Measuring Range	0 – 200% reflectance
Measurement Time	< 2.5 seconds
Aperture Size	Type Illuminated Measured LAV 15 mm 11 mm
Repeatability	0.03 CIELAB DE maximum (white tile, 2-flash measurement)
Reproducibility	0.15 average CIELAB DE, 12 BCRA tiles 0.25 CIELAB DE maximum
Battery	Replaceable lithium ion
Battery Life	>2,000 measurements; low battery warning
Battery Recharge Time	4 hours
AC Power Pack	100-240 VAC, 50-60hz, 15 watt
Operating Environment	5º - 40ºC maximum; 20% -85% relative humidity; maximum altitude 2,000 meters
Input Power Requirements	6.5 VDC; 2.3 Amperes max.

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Because Color Matters