

datacolor

 **CHECK**TM

www.datacolor.com

EXTRAORDINARY MOBILE QUALITY CONTROL SOLUTION

Standard: **STD GOLD**
Batch: **BATCH 8**

System-level Tolerance Block:

Standard Tolerance Block:

STD GOLD PL

	DelE	DelL	DelC	DelH
ant				
eg	0.86	0.20	0.71	0.43
	0.94	0.20	0.61	0.69
	1.20	0.42	0.89	0.69

Pass lighter more saturated

CHECK
Standard CHECK readings
include an L*Ch*H*ab* data
block and a color name
and tolerance block.



BATCH 8
Tones change. The
batch number is
important, as they
are not the same
electronic color.

high performance for
every surface and industry



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CHECK™

Revolutionizes Quality Control



Performing color quality control shouldn't mean being constrained to a desk or benchtop. Datacolor CHECK™ integrates Datacolor's high instrument standards with the power of a PDA, creating a portable spectrophotometer with unprecedented versatility. Datacolor CHECK™ allows you to capture color data anywhere and from samples of any shape or size – in any industry. The high-resolution PDA interface allows you to simply tap through menus or "write in" information to customize the data. Datacolor CHECK™ is a truly user-friendly portable instrument, providing you the flexibility and freedom to evaluate color wherever and whenever you need it.

- ❖ Incorporates all major color industry indices
- ❖ Exported data is easily used with Datacolor TOOLS™, Datacolor MATCH™ and Datacolor ENVISION™
- ❖ Easy synchronization with the Datacolor CHECK™ Desktop
- ❖ Can be connected, or "tethered" to a desktop PC for use as your primary spectrophotometer

Three Configurations to Meet Every Need

Three configurations are available to meet your specific QC requirements; Datacolor CHECK™, Datacolor CHECK^{PLUS}™ and Datacolor CHECK^{PRO}™. Please consult your Datacolor representative for details.

Because Color Matters



Datacolor CHECK™ is part of Datacolor SPECTRUM™, the complete solution for successful global color management. Datacolor SPECTRUM™ helps companies innovate faster, ensure consistent color quality, reduce the cost of production and accelerate their product's speed to market.

Agent or local office stamp in this space

**For more information,
please visit www.datacolor.com.**

Physical Specifications

- Size:** 9.7 cm x 9.5 cm x 24.6 cm
3.85 in x 3.75 in x 9.7 in
- Display:** High resolution, 320x320 color screen
5.4 cm x 5.4 cm
2.125 in x 2.125 in
- Weight:** 1 Kg/2.2 lbs.
- PDA:** palmOne™ Tungsten™ with Palm® OS (included)
- Accessories:** Soft carry bag containing:
Power supply and country cord
Stapler foot for sample alignment
RS232 and USB cables
White tile
Black trap

Technical Specifications

- Measuring principle:** Dual beam sphere - automatic specular port
- Measuring geometry:** Diffuse illumination 8° viewing in conformance with CIE publication No. 15.2 Colorimetry.
- Light source:** Pulsed xenon, optional UV calibrator
- Spectral range:** 360 to 700nm (depending on model)
- Effective bandwidth:** 10nm
- Wavelength resolution:** 2 nm
- Spectrometer principle:** Concave holographic grating
- Detector:** Proprietary active pixel dual 256 element diode array
- Sphere diameter:** 51mm/2 in
- Measuring range:** 0 to 200% reflectance
- Measurement time:** < 2.5 seconds
- Aperture sizes:**
LAV 15 mm 11 mm
SAV 10 mm 6.5 mm
USAV 6.5 mm 2.5 mm
XUSAV 3.0 mm 2.5 mm
Single or dual aperture configurations available.
- Repeatability:** 0.03 CIELAB ΔE maximum white tile, 2 flash measurement
- Reproducibility:** 0.15 average CIELAB ΔE, 12 BCRA tiles, 0.25 CIELAB ΔE maximum
- Battery:** Replaceable lithium ion
- Battery life:** >2,000 measurements
- Operating environment:** 5° to 40° C up to 85% RH, non-condensing
- Interface:** RS232 and USB

Functional Data

- Software features:** Color coordinates, color differences, pass/fail tolerancing, plots, indices.
- Selectable illuminants:** D65, A, CWF, C, D50, TL84, U3000, D75, Horizon
- Selectable observers:** 2° and 10°
- Data storage & handling:** 30,000 samples batches, grouping of standards, upload/download of all reference data.

Stand Alone System Requirements

CRT or LCD monitor and PC capable of 24 bit color, available USB connection, Windows® 98, 2000, ME or XP

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In over 60 countries ... see www.datacolor.com/locations for a complete list.

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