



KONICA MINOLTA

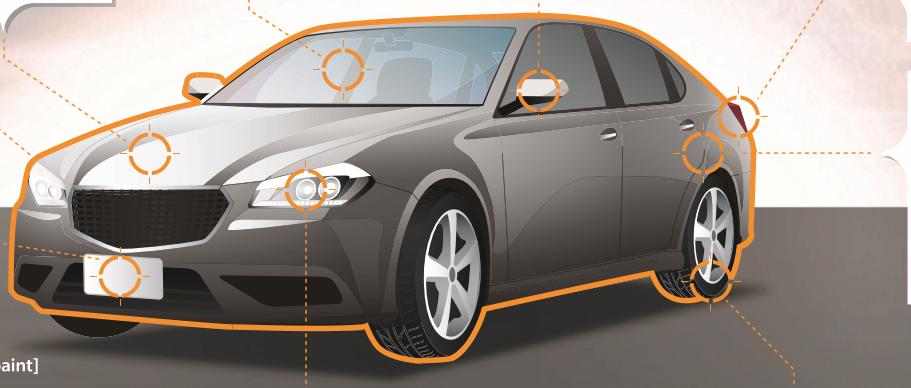
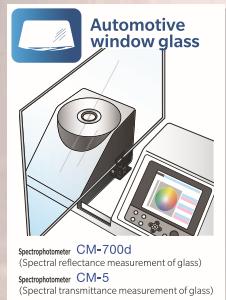
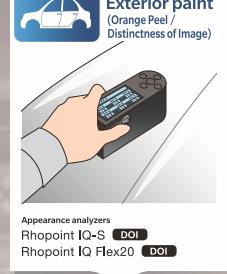
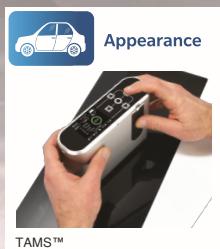
Applications for Vehicle Evaluation Color and Light Measuring Instruments

6



Vehicle evaluation application examples

- Object color
- Light source color



» EXTERIOR [Exterior paint]



INTERIOR [Car Interiors]

Dashboards, Interior parts

Spectrophotometer CM-700d (Color control of interior parts with curved surfaces and shapes)

Interior illumination: Ceilings,etc.

Spectroradiometer CL-500A
Spectral radiance system DTS 140■
Illuminance meters T-10MA (Multi-point measurement)

Interior illumination: LED strip lights

2D colorimeter luminance colorimeters CA-2500A
LumiCam 2400 Color/Adv■

Mirrors (Interior)

Spectrophotometer CM-700d (For surface reflectance measurement)

Instrument panels

2D luminance colorimeters LumiCam 2400 Color/Advanced■
Spectral radiance system DTS 140■

Piano Black finish

Spectrophotometer CM-25cG Gloss (Color control of parts with differing textures)

Appearance analyzer RhoPoint IQ-S Gloss, Haze

Vehicle-mounted cameras

Spectroradiometer CL-500A
Colorimeter CL-200A (Environmental evaluation/ Calibration light source evaluation)
Luminance colorimeter CS-200 (Camera light source evaluation)

Brightness and chromaticity checks of light sources (Handheld for field measurement)

Luminance meters LS-150/LS-160
Luminance colorimeters CS-150/CS-160

Plated parts (Curved/Small surfaces)

Appearance analyzers RhoPoint IQ Flex20 Gloss, Haze
RhoPoint IQ-S Gloss, Haze

Heads-up displays

2D luminance colorimeter CA-2500A
LumiCam2400B Color/Advanced■ (For black mura evaluation)

Display Color Analyzer CA-410

Uneven illumination of AC/audio switches

Spectroradiometer CS-2000A
Spectral radiance system DTS 140■

Spectrophotometer CM-700d (For surface reflectance measurement)
Appearance analyzer RhoPoint IQ-S Gloss, Haze

Steering wheels

2D luminance colorimeters LumiCam 2400 Color/Advanced■
Spectral radiance system DTS 140■
Spectroradiometer CS-2000A

Car seats and ceiling materials

Spectrophotometer CM-700d
Colorimeter CR-410

Interior door trim

Spectrophotometer CM-700d

Energy/Spectral evaluation of near-infrared LEDs

Spectral radiance measurement system DTS 140■ (Measurable wavelength range: 380 - 1040 nm)
Spectral irradiance measurement system ■ (Measurable wavelength range: 300 - 1100 nm)

Laser light source measurement

Spectral radiance measurement systems DTS■
CAS 140CT-HR
CAS 120-HR