

KONICA MINOLTA

Display Color Analyzer CA-410

Small Spot Probes

Long Working Distance Probe



CA-VP402



CA-VP404



CA-VP410T

New probe variations for the popular Display Color Analyzer CA-410 to meet ever-diversifying display measurement needs.

Both PC Software for Color Analyzer CA-S40 and SDK for Color Analyzer CA-SDK2 can control all CA-410 probes, making switching between probes simple.

Ø2 mm Small Spot Probe CA-VP402

A probe with a measuring area diameter of approximately Ø2 mm. The dedicated optical system and operation algorithm provides both guaranteed accuracy at ultra-low luminance and small measurement area. Suitable for applications requiring small-area measurements ranging from low-luminance measurements, such as for gamma adjustment of micro OLEDs, to high-speed, high-accuracy measurements.

- * Since an imaging optical system is used, when measuring devices with large pixel pitch interference between the sensor fiber and the display pixels may adversely affect measurement repeatability.
- * Zero calibration time and low-luminance integration time is longer than conventional CA-410 probes.

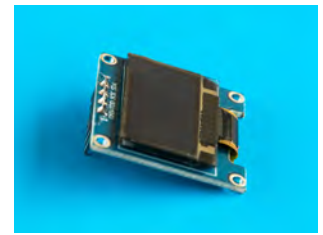
Main specifications

Measurement area: Ø2.1 mm

Acceptance angle: $\pm 10^\circ$

Accuracy guaranteed measurement distance: 28 mm $\pm$ 2 mm

Accuracy guaranteed measurement luminance range (Luminance measurements) : 0.002 to 6,000 cd/m²
(Chromaticity measurements) : 0.02 to 6,000 cd/m²



Micro OLED

Ø4 mm Small Spot Probe CA-VP404

A probe with a measuring area diameter of Ø4 mm. Guaranteed accuracy from 0.004 cd/m² enables high-speed, high-accuracy measurements of small areas such as smartwatch OLEDs, smartphone edges, small APL (average pixel level) windows, etc.

Main specifications

Measurement area: Ø4 mm

Acceptance angle: $\pm 8.5^\circ$

Accuracy guaranteed measurement distance: 30 mm $\pm$ 2 mm

Accuracy guaranteed measurement luminance range
(Luminance measurements) : 0.004 to 12,000 cd/m²
(Chromaticity measurements) : 0.04 to 12,000 cd/m²



Smartwatch

Ø10 mm LWD (200 mm) Probe CA-VP410T

A long-working-distance model with a measurement distance of 200 mm. The optical system is not easily affected by display directionality, making it suitable for multi-angle measurement of in-vehicle displays or smartphone OLEDs, or evaluation of the angular characteristics of curved displays. In addition, the long working distance allows it to be used in applications where it is necessary to have some distance from the measurement subject, such as for avoiding collisions with the measurement subject on automatic measurement systems.

Main specifications

Measurement area: Ø10 mm

Acceptance angle: $\pm 4^\circ$

Accuracy guaranteed measurement distance: 200 mm $\pm$ 2 mm

Accuracy guaranteed measurement luminance range
(Luminance measurements) : 0.004 to 12,000 cd/m²
(Chromaticity measurements) : 0.04 to 12,000 cd/m²



In-vehicle display



Smartphone OLED

*Refer to the Main specifications for detailed specifications of each probe.

https://www.konicaminolta.com/instruments/download/catalog/display/pdf/ca-410_probe_catalog_eng.pdf



SAFETY PRECAUTIONS

For correct use and for your safety, be sure to read the instruction manual before using the instrument.

- Always connect the instrument to the specified power supply voltage. Improper connection may cause a fire or electric shock.

ISO Certifications of KONICA MINOLTA, Inc., Sakai Site



JQA-QMA15888
Design, development, manufacture/
manufacturing management, calibration, and
service of measuring instruments



JQA-E-80027
Design, development,
manufacture, service and sales
of measuring instruments

KONICA MINOLTA, INC.
Konica Minolta Sensing Americas, Inc.
Konica Minolta Sensing Europe B.V.

Osaka, Japan
New Jersey, U.S.A.
European Headquarter / BENELUX
German Office
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Nordic Office
Polish Office
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Beijing Office
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Chongqing Office
Qingdao Office
Wuhan Office

Konica Minolta (CHINA) Investment Ltd.

Konica Minolta Sensing Singapore Pte Ltd.
Konica Minolta Sensing Korea Co., Ltd.

Addresses and telephone/fax numbers are subject to change without notice. For the latest contact information, please refer to the KONICA MINOLTA Worldwide Offices web page :

Phone : 888-473-2656 (in USA), 201-236-4300 (outside USA)
Nieuwegein, Netherlands
München, Germany
Roissy CDG, France
Warrington, United Kingdom
Cinisello Balsamo, Italy
Dietikon, Switzerland
Västra Frölunda, Sweden
Wrocław, Poland
Istanbul, Turkey
Shanghai, China
Beijing, China
Guangdong, China
Chongqing, China
Shandong, China
Hubei, China
Singapore
Goyang-si, Korea
Phone : +31 (0) 30 248-1193
Phone : +49 (0) 89 4357 156 0
Phone : +33 (0) 1 80 11 10 70
Phone : +44 (0) 1925 467300
Phone : +39 02849488.00
Phone : +41 (0) 43 322-9800
Phone : +46 (0) 31 7099464
Phone : +48 (0) 71 73452-11
Phone : +90 (0) 216-528 56 56
Phone : +86- (0) 21-5489 0202
Phone : +86- (0) 10-8522 1551
Phone : +86- (0) 20-3826 4220
Phone : +86- (0) 23-6773 4988
Phone : +86- (0) 532-8079 1871
Phone : +86- (0) 27-8544 9942
Phone : +65 6563-5533
Phone : +82 (0) 2-523-9726

Fax : 201-785-2482
Fax : +31 (0) 30 24 81 211
Fax : +49 (0) 89 4357 156 99
Fax : +33 (0) 1 80 11 10 82
Fax : +44 (0) 1925 711143
Fax : +39 02849488.30
Fax : +41 (0) 43 322-9809
Fax : +48 (0) 71 734 52 10
Fax : +90 (0) 212-253 49 69
Fax : +86- (0) 21-5489 0005
Fax : +86- (0) 10-8522 1241
Fax : +86- (0) 20-3826 4223
Fax : +86- (0) 23-6773 4799
Fax : +86- (0) 532-8079 1873
Fax : +86- (0) 27-8544 9991
Fax : +65 6560-9721
Fax : +82 (0) 31-995-6511

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