



K610-CMM

the High-Accuracy Portable CMM with 17 m³ measurement volume

K610-CMM technology

The K610-CMM is an accurate portable measurement system suitable for checking design, production and dimensional quality in industrial environments.

The system offers 40µ accuracy (single point) in a 17 m³ volume through the use of camera technology measuring infrared LEDs in a hand-held SpaceProbe.

With this accuracy, the K610 can be used as an alternative to laser trackers for the inspection of large objects. In addition, K610 shares with the other K-series systems widely appreciated features such as ease of use, measurement speed and dynamic referencing.

All this makes K610 your best choice for large object inspection in the markets.

K610-CMM applications

Large part inspection

Using the K610 CMM with a Dynamic Reference kit, 3D part inspection becomes much easier. Simply attach 3 Leds and forget about dedicated holding fixtures. It will save set-up time and enhance inspection quality.

Fixtures and jigs

The lightweight K610 CMM will go anywhere in a production line and give you the ability to check even the largest fixtures during short production stops.

Sheet metal

K610-CMM is the ideal tool to check dimensional quality of sheet metal parts and stamping dies in the production environment.



NEW : SpaceProbe Light as handheld probes can't be light enough

NEW : Wireless operation for even more ease-of-use



K610 Portable

State-of-the-art optical CMM technology now available with an exceptional high accuracy!

Unique capability to measure on unstable parts through Dynamic Reference

Based on proven technology accepted by major automotive and aerospace industries



Connects to the CMM software package of your choice! for even more ease-of-use



K610 Mobile



K610-CMM

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Specifications

Accuracy

Single Point:	40 μ
Volumetric:	Zone 1: up to 3 meters: 60 μ + 10 μ /m Zone 2: up to 5 meters: 70 μ + 25 μ /m Zone 3: up to 6 meters: 140 μ + 25 μ /m

The indicated measurement uncertainty is expressed for a confidence level of 95%, according to the ISO 10360 II, VDI 2617 and ANSI / ASME B89.1.12M standards for acceptance of CMMs.

Resolution

2 microns at 2500 mm distance from the camera.

Measurement volume

17 m³ or 1,6 to 6,0 m distance from the camera system.

Temperature

Accuracy guaranteed in a temperature range of 15° to 40° Celsius.

Unstable environments

K610-CMM measures accurately in unstable environments by using dynamic reference points on the measured part.

Automatic probe tip changer

An intelligent detection system selects automatically the right probe while changing to another configuration.

Transportation

K610-CMM comes in industrial flight cases, can be transported anywhere easily and can be carried by one single person.

Contact Metris today!

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