

General:

The **QuaNix®1200** measures all non-magnetic coatings such as lacquer, paint, plastics, enamel, chromium, copper, zinc, etc. on steel and iron (Fe).

Adjustment:

A zero-adjustment is required when using the gauge for the first time or working with different materials, after inserting a new battery, or from time to time.

Place the probe of the **QuaNix®1200** on the zero plate enclosed in the case or on a respective uncoated substrate used by you. Please make sure that the ring around the probe is evenly placed on the measuring surface. If the reading is not within the basic tolerance, push one of the slides at the sides of the gauge. You will hear a "Beep" and a control number will appear on the display. Lift the gauge at least 25 mm (1 inch) from the zero plate. The gauge will "beep" again and another number will be displayed. The **QuaNix®1200** is adjusted now. When repeating measurements on the same spot, the readings may not always be 0.00, as the surface roughness, dirt, scratches etc. might cause differences.

The gauge is delivered with a red protection ring around the probe for better positioning and protection. This ring can easily be removed by slightly turning and pulling. In case of bent surfaces remove the protection ring in order to achieve accurate measurements.

Measurement:

Place the **QuaNix®1200** with its ring around the probe plane on the object to be measured. Please make sure that the circular probe ring is evenly placed on the surface. On even objects, the two rear supporting points will help to position the gauge. The measured value is immediately indicated on the display accompanied by a "beep". The display shows "Err" if the **QuaNix®1200** is placed incorrectly, and "Infi" if the measurement is out of range. The gauge turns on automatically and switches off after approx. 10 seconds if it is not used.

When measuring on rods align the "V"-groove in the ring of the probe with the axis of the rod.

Note:

Please do not take measurements on magnetized parts !

Converting from mil to µm and µm to mil:

In order to convert the displayed values from the mils-mode to the µm-mode or vice versa, lift off the gauge and push both slides on the sides of the **QuaNix®1200**. The display will then convert the values accordingly.

Battery:

The gauge is powered by a 9V alkaline battery. The battery is located at the rear end of the gauge. If the blinking sign "BAT" appears on the display, it is advisable to change the battery.

Possible messages :

Err: incorrect use
Infi: wrong substrate (e.g. Aluminium, wood)
or measurement out of range
BAT: battery is getting weak, please exchange

The **QuaNix®1200** conforms to the following national and international standards:

DIN 50981 , 50984
ISO 2178, 2360 2808
BS 5411 (3,11), 3900 (C5)
ASTM B499, D1400

Technical Data:

Measuring range: 0 - 2000 µm (0 - 80 mil), convertible

Display of readings: 0.1µm 0 - 99.9 µm
1 µm 100 - 999 µm
0.1 mm 1.00 - 2.00 mm
or
0.01 mil0 - 9.99 mil
0.1 mil 10.0 - 80.0 mil

Accuracy: ±(1 µm + 2 % *)
(*) of reading

Minimum object size: 10 x 10 mm² (0.4" x 0.4 ")

Minimum curvature: convex 5 mm (0.2")
concave 25 mm (1")

Minimum Substrate Thickness: 0.2 mm (0.008")

Temperature range: 0°C - 60°C (32°F - 140°F)

Instruction Manual

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