

QUAM CT720/CT350 Coating Thickness Gauge



CT720

A. Introduction

With different probe: it can measure the thickness of non-magnetic coating layers covered on magnetic substrate. Such as: non-magnetic

(aluminum, chrome, copper, enamel, rubber, paint) covered on magnetic substrate (steel, alloy and magnetic stainless steel)

It also can measure the thickness of non-conductive coating layers covered on conductive substrate. Such as: (enamel, rubber, paint, varnish, plastic anodic-oxide layer) covered on conductive substrate (aluminum, brass, zinc and nonmagnetic stainless steel).



CT350

B. CT720 Features

- Multi type probe can be used (F1、F1/90° F10、N1、N1/90°N10);
- 2 measuring modes are available: continuing measuring mode (CONTINUE) and single measuring mode (SINGLE);
- 2 operation modes are available: direct mode (DIRECT) and batch mode (A-B);
- 5 statistic values: mean value (MEAN), max. value (MAX),
- min. value (MIN), numbers of measuring (NO.), standard deviation (S. DEV);
- 2 methods can be used to calibrate the gauge, and the system error of the probe can be corrected by use of basic calibrating method;
- Storage function: 495 measuring values can be stored;
- Deletion function: delete the single questionable data occurring in measuring, as well as all of the data in memory area to perform the new measuring;
- Limit can be set: capable of alarming automatically for measuring values out of limit; and a batch of measuring values can be analyzed via histogram;

C. CT720 Technical Specification

- Measuring range: 0-1250μm, depends on probes, MAX 10mm
- for the probe F10 Resolution: 0.1μm
- Accuracy: $\pm 2\%H + 1\mu m$
- Display: 128x64 LCD with backlight
- Memory: 5 files x 100 values
- Unit switch: Metric (μm) Imperial (mil)
- Power: AA battery 2pcs
- Working time: more than 200 hours (without the EL)
- Size: 115*67*31 (mm)
- Weight: 340g

D. CT350 Technical Specification

- Measuring range: 0~1300μm 0~51.2mil
- Resolution: 0.1μm/0.01mil
- Accuracy: $\pm(2.5\% + 1\mu m) \pm(2.5\% + 0.04mil)$
- Calibration: Points: ZERO/50/100/250/500/1000μm
- Memory: 5 files x 100 values
- Units: Metric (μm) Imperial (mil)
- Power: 4 x AAA batteries
- Size: 155mm x 62mm x 35mm
- Weight: 125g