

KDCTG8700 Coating Thickness Gauge



Standard Configuration

Main unit	1
Probe (Fe or NFe)	1
Calibration piece	5
Zeroing plate	1
Operating manual	1
Warranty card	1
Instrument case	1

Introduction

With different probe: KDCTG8700 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 coatings layers covered on conductive substrate. Such as: (enamel, rubber, paint, vanish, plastic anodic-oxide layer) covered on conductive substrate (aluminum, brass, zinc and nonmagnetic stainless steel).

Features

- Multi type probe can be used (F1, NI, 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: 500 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
- Buzzing indication in the course of operation

Technical Specification

Model	KDCTG8700
Measuring range	0-1250 μ m, depends on probes, MAX 10mm for the probe F10.
Working principle	Magnetic & Eddy
Substrate	FE / NFE base
Resolution	0.1 μ m
Display	128x64 LCD with backlight
Accuracy	$\pm 2\%H + 1\mu$ m Note: H is thickness reading
Memory	5 files x 100 values
Unit switch	Metric (μ m) Imperial (mil)
Working temperature	Operation Temp. : -10~50 $^{\circ}$ C Storage Temp. : -30~70 $^{\circ}$ C
Operating environment	Humidity: 20%-90% No strong magnetion field
Power	AA battery 2pcs
Weight	340g
Size	147 x 74 x 31mm