UCT6800 Coating Thickness Gauge

Main Features

◆ Two types of coating thickness including magnetic measurement principle and the principle of eddy-current principle, available to measure the thickness of the coating on non-magnetic in the magnetic metal and thickness of the nonconductive layer covering the non-magnetic metal.

◆ High precision mode： Automatically multiple measurements and data filtering method to reduce the disturbance of the measurement results.

◆ Temperature compensation： compensate for distortion caused by the measurement of temperature drift.

◆ Probe type automatic recognition

Main Technical Parameters

Sensor type	F	N
Principle	Introduction magnetic	Eddy current
Measuring range (μm)	0～1700	0～1700 covered copper plate with chromium (0 ～ 40)
Minimum resolution (μm)	0.1	0.1

One calibration point (um)	±(2%H+1)	±(2%H+1)
Two puntosde calibration (μm)	±[(1～2)%H+1]	±[(1～2)%H+1]
minimum radius Of curvature(mm)	Bulge1.5	Bulge3
Minimum diameter (mm)	Φ7	Φ5
Critical thickness of the base (mm)	0.5	0.3

Major operating parameters

◆ Two patterns of measurement： design and pattern continuing one.
◆ Two patterns of work： direct pattern and design group.
◆ Five statistics： mean value , maximum value, minimum value , measuring times and the standard deviation.
◆ Calibration methods of calibration Zero point calibration and two points available to calibrate the meter can be calibrated system error of the probe using the basic calibration method.
◆ Capable of 500 sets of measurement values： Saving function.
◆ Elimination of function： You can delete one of the questionable data and you can also delete all the data in memory to prepare for a new measurement.
◆ Alarm limit settings： if one of the measurement data is off limits .
◆ Function show coupling state .
◆ Function LED backlight, which is effective even when the light is dim.
◆ Adjustable LCD Contrast.
◆ Show the real-time battery.
◆ The buzzer will prompt to make the measurement and can also disable the buzzer.
◆ Variable waiting time, and will shut down if the weather is over.
◆ The function of error messages：Error message is displayed on the LCD or the buzzer an error message screen.
◆ Two methods of feeding：Manual and automatic