

# Advanced Coating Thickness Gauge



## CT600 Series

The CT600 is an **advanced Fe/nFe coating thickness gauge** which can perform non destructive measurement of DFT on both ferrous and non ferrous substrates.

The CT600 utilises **electromagnetic induction** principle for thickness measurement of **non-magnetic** coatings on **ferrous substrates** such as steel and **eddy current** for non con-conductive coatings on **non-ferrous** substrates such as aluminium. Most common uses includes measuring thickness of paint chrome powder coating or galvanised layer on iron and steel. Similarly, measuring thickness of paint or anodize coating over aluminium, stainless steel and copper.

The CT600 is offered in **three models** : **CT600** based on **internal probe**, **CT600E** based on an **external probe** design & **CT600XE** with **extended** range based on external probe.



**CT600**  
Based on  
Internal Probe



**CT600E &  
CT600XE**  
Based on  
External Probe

### Statistical Data Analytic modes :

The CT600 series DFT Meter provides a variety of **statistic options directly viewable on screen for the operator to view real time variations of coating thickness measured.**



**Data only**



**Data & Statistics**



**Data & Trend**



**Data & Curve**



**Data & histogram**

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## Specifications:

Parameter	CT600 DFT/Coating thickness Gauge Selection Guide		
Ordering Code	<b>CT600</b>	<b>CT600E</b>	<b>CT600XE</b>
Probe	Internal	External	External
Probe Type	Fe, nFe (Automatic detection)		
Principle	Magnetic induction		
	Eddy currents		
Measurement Range	F/N : 0~2000um		F: 0~5000um, N : 0~3000um
Accuracy	±(2.0%+1um)		
Resolution	0.1µm(0~100µm) , 1µm(>100µm)		
Units	um, mm and mils		
Displayed Values	Mean, Maximum, Minimum and standard deviation		
Data interpretation	Statistic analysis of data, display a curve, bar chart or trend chart		
Calibration	Built in zero calibration and supports multi-point calibration		
Minimum curvature radius	Convex 5mm , Concave 25mm		
Minimum measuring area	15mm Dia		
Minimum thickness of substrate	Fe: 0.20mm; nFe: 0.03mm		
Display type	2.4 inch color screen , Auto rotate display		
Memory	1300 measured values		
Interface:	USB, Bluetooth		
Power supply:	2x 1.5V AAA batteries		
Operating temperature	-10 to 50°C		
Storage temperature	-10 to 50°C		
Standards	CE,ROHS,ISO 2178,2360,GB/T 4956-2003,4957-2003,JJG-818-2005		
Probe Dia	Φ 6mm	Φ17*67mm	
Probe cable length	N/A	1000mm	
Size	146*76*32mm		
Weight	137g	Appox 200g	



Rubberised Grip design



USB Connectivity for data download

CT600 series is provided as a complete kit with **5 nos of calibration films , ferrous base, non ferrous base, USB Cable**, i.e all the necessary accessories that may be required on shop floor by technician or by use of QC engineer, supplied in a **carry case** for easy movement.



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Quality Management System



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