

Advanced Coating Thickness Gauges

Models LZ/LE/LH 370



SCIENCE OF SENSING



Tomorrow's Testing, Today !
1-800-438-5388

Advanced Coating Thickness Gauge

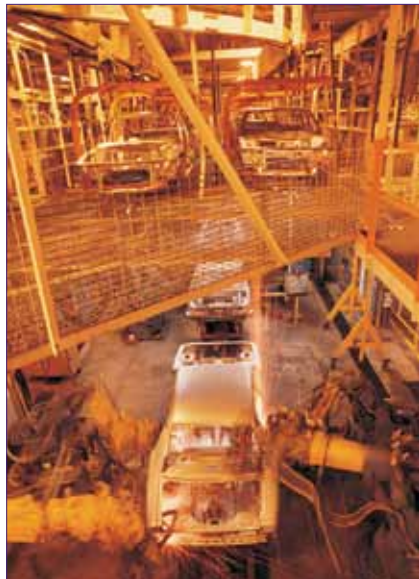
Reliable, Accurate Measurement

This simple-to-use instrument instantly measures the thickness of non-ferrous (non-magnetic) coatings on both ferrous (magnetic) and non-ferrous substrates. Testing can be accurately achieved at a process line without having to move a sample to the lab for evaluation. This capability dramatically reduces the overall test cycle allowing you to focus on improving product quality and not on sampling and prep work.

To test a sample, simply push the spring-loaded probe onto the surface, the instrument will beep to indicate the test is immediately completed and the coating thickness (mils or microns) will be immediately displayed on the large LC Display. Batch statistics, the ability to zero the instrument on various substrates and substrate/coating matrices, multiple stored calibrations and a 1500 measurement memory make this compact instrument the standard against which other portable coating gauges are judged.

Outstanding Measurement Stability

Measurements are made using magnetic inductance or capacitance (depending on the substrate) providing non-destructive analysis of both flat and curved surfaces. The specially designed probe and probe tip help the operator maintain consistent contact with any surface, even complex components as shown below. These design features dramatically improve the precision and accuracy of the measurement.



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* DATE 08:06:15
* LOT 100
N=0001 50.3 UH
N=0002 50.3 UH
N=0003 50.3 UH
LOT RESULT
LOT=100
N=0003
AV= 50.3 UH
S.D= 0.0 UH
MAX= 50.3 UH
MIN= 50.3 UH
* LOT 200
N=0004 99.2 UH
N=0005 99.5 UH
N=0006 99.3 UH
LOT RESULT
LOT=200
N=0003
AV= 99.3 UH
S.D= 0.2 UH
MAX= 99.5 UH
MIN= 99.2 UH
FINAL RESULT 1
N=0006
AV= 74.9 UH
S.D= 26.9 UH
MAX= 99.5 UH
MIN= 50.3 UH
FINAL RESULT 2
N=0003
AV= 50.3 UH
S.D= 0.0 UH
MAX= 50.3 UH
MIN= 50.3 UH
    
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Sample Printout

1-800-GET-KETT

Tomorrow's Testing, Today!

In addition to the L370, Kett manufactures over 200 instruments. Available for portable handheld, laboratory desktop or online process applications, if you have a measurement requirement, we offer solutions...today! If you need to measure physical characteristics - accurately, quickly, and simply, wish to place an order, or require additional guidance on model selection, please call Kett toll-free!

Specifications

Model	L370
Measurement Principle	LE- Magnetic Inductance LH - Capacitance
Measurement Range	0-2500um (Fe) 0-1200um (NFe)
Measurement Storage	Approximately 3000 samples
Calibration Storage	100 (50 Fe, 50 NFe)
Accuracy	+/- 1um (under 50um)
Resolution	0.1um
Display	Product, Constituent, Value
Ambient Temperature	0-40°C
Ambient Humidity	0-85% RH (non-condensing)
Power Source	4AA Batteries - 100 hours use
Functions	Average, Max, Min, SE
Display Type	LCD (Digital)
Communications	RS232C
Measurement Mode	Sample and Continuous
Weight (kg) (Net/Shipment)	0.3/1
Dimensions (mm)	75Wx145Dx31H
Warranty	Three Year Parts and Labor Maintenance Agreements available

Designed for Years of Stable Use

The L370 Series is the latest in the 30 year history of Kett coating thickness gauges. It has no moving parts and is impervious to vibration and independent of orientation of the instrument. This allows the L370 to be used on the manufacturing floor, providing instant laboratory-quality measurement feedback to your staff. Defects can be immediately detected and corrective actions undertaken to minimize scrap and faulty end-products.

Kett stands behind the L370 systems with a full **Three-Year** manufacturer's warranty on parts and labor. Kett's dependability and reliability allow you to productively focus on improving your product's quality, and not waste time calibrating and verifying our gauges. Kett is recognized as the worldwide leader in measurement instrumentation. With almost 60 years of design and manufacturing excellence, the L370 like all Kett instruments, is the standard by which others are judged.



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