Advancing with Technology

Ultrasonic Coating Thickness Measurement

QuintSonic 7

Coating Thickness Gauge

- for paint, lacquer and plastic coatings on plastic, metal, wood, ceramic or glass substrates
- from 10 µm coating thickness
- extended measuring range up to 7mm
- up to 5 layers in one operation
- also suitable for GRP and CRP

A-Scan on Graphic Display
QuintSonic 7: the gauge combines state-of-the-art sensor technology and innovative software to provide a high-precision measuring system for applications that couldn’t be solved so far.

The Qsoft Basic Edition PC software supplied with the gauge provides A-scan images allowing most convenient parameter setting adapted to your measuring task. This allows to optimise measuring results considerably. Parameter sets are used to define measuring ranges, interference suppression, evaluation of sound echoes as well as expectancy or blocked domains. Unwanted echoes caused by fibres of GRP or CRP substrates, for instance, will be attenuated by blocked domains accordingly.

Another challenge in ultrasonic coating thickness measurement are layers exhibiting very similar material properties. Their impedance values do not vary significantly enough in order to provide clear echo signals. The innovative clipping function of QuintSonic 7 offers a solution to this problem so that also very weak echoes can be clearly distinguished. Thus even very difficult settings of task of this kind can be solved with utmost reliability and precision.

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Additional comfort is added by the possibility to determine the sound velocity by means of reference samples. Once the sound velocity of a given material has been determined, it can be stored in the data base to be available for further measurements. This helps to cut the time expense for the set-up of your measuring tasks to a minimum.

Optional Accessories
- Data printer MiniPrint 7000
- Quick charger for NiMH batteries
- Mains unit
- Shoulder bag
- Protective rubber cover with positioning device and shoulder strap
- Multi-purpose connection box with USB cable for connecting mains unit, footswitch, alarm device, headphones, RS232 adapter cable
- QSoft professional data management software
- IrDA/USB converter

Screen shot of a 3-layer system