



Multi Layer

Product code: Multi Layer

Manufacturer: Tecnosens SpA

Optical sensor for multiple layer measurements

Glass is one of the most versatile and ecologic material and is used in a lot of special applications.

Glass is often stratified as a sandwich with other materials in order to bring special properties to the final product, like UV filter, noise reduction or high resistance.

TECNOSENS MULTI LAYER is a tool to identify and measure in fast and accurate way all the layers that compose a laminated glass, including all the plastics between the glass.

The system **TECNOSENS MULTI LAYER** allows to save and analyze through statistic methods the acquired data, highlighting the points where the measures are out of tolerances.

APPLICATIONS

TECNOSENS MULTI LAYER is used in several areas, including:

- Automotive Glass: Bulletproof glass, Laminated glass, R&D special applications
- Architecture Glass: Noise Reduction glass, fireproof glass
- LCD screens
- Glass for mobile telephones

PVB THICKNESS MEASUREMENT

Innovative technology to measure the thickness of PVB material before to be heated in laminated glass.

This sensor allows to measure plastic thickness even if the material is not completely transparent.

OPTION FOR MULTILAYER

Modello	SM-1	TML1	TML2	TML3
A-scan measuring rate	5Hz - 20Hz	250Hz		
Light source	Infrared interferometric			
Scan depth	15mm	4mm	4mm	1.8mm
Position accuracy	< 1 micron			
Axial resolution (n=1.5)	7.3 micron	7.3 micron	4.4 micron	2.1 micron

OPTION FOR PVB

Modello	TEP1	TEP2	TEP3	TEP4
Measuring rate	Up to 330Hz			
Light source	Infrared interferometric			
Accuracy	< 2 micron			
Thickness range	0.005-0.1mm	0.018-0.38mm	0.05-1.8mm	0.15-4.0mm