

TECHNICAL DESCRIPTION FOR PAINT MEASURING DEVICES

The microwave device is suitable for measuring the paint thickness on Carbon Fiber Reinforced Plastic (CFRP) with or without lightning protection material as well as on metal. It consists of a resonance cavity with one end open. When this cavity is placed on a painted sample, standing waves are established and a resonance frequency is found. This resonance frequency is correlated to the coating thickness.

Measurement range: 0 to 1000 μm or 0 to 40 mils.

Measurement time: about 2 sec.

Button actuated pulsed emission for duration.