Infrared Ultrathin Thickness Meter
IRMT01

Measure online / continuously the ultra thin film under 10μm!

Infrared Ultra thin Thickness Meter is a contact / online model thickness meter that can continuous / high sensitivity measure the film and coating paint under 10μm.

■ FEATURES
- Adopt P polarized light and high sensitivity optics
  By eliminating the surface reflectance, it realizes the high accuracy / high sensitivity measurement.
- Output updating cycle 28ms, high-speed measurement
  Real time measurement on the production line.
- Extend the measuring distance
  Set the measuring distance as 50mm (our current model 25mm) to reduce the effect of the fluctuating measuring distance.
- Load self-diagnostic function
  Output self-diagnostic and easy maintenance.
- Prepare Setting display unit and Software package
  RS485 is standard equipped. Communicates with the setting display unit and digital display the measured value, operates various setting, multi-calculation function and alarm. Software Package for the PC is also optionally prepared.

■ Application
- Film
  • Measuring the thickness of ultrathin film.
  • Measuring the thickness of solvent coating / resin adhesion
- Metal
  • Measuring the thickness of organic film coating/ oiling on the metal plate.
  • Measuring the thickness of corrosion film / insulating film on the steel plate.

■ Models
- Detector
  IRMT01
- Setting Display Unit
  IRGMEG3
  Communication Interface
  R : RS232C (standard)
  A : RS422A
  S : RS485
Specifications subject to change without notice. Printed in Japan. 2020. 11