



Volumetric Resistance Measurement (VRM)

The Volumetric Resistance Measurement (VRM) is an optional measurement system for the Modular Film Analyser (MFA). It enables the inline determination of the specific electrical resistance of conductive polymer films. The measurement is performed by means of a movable measuring head in which measuring and compensation electrodes are integrated. Another feature is the easy operation of the Volumetric Resistance Measurement via the touch panel of the MFA.

Testable Materials

- Conductive polymer films (tape)

Features

- Measuring head with several compensation electrodes
- Easy operation via the touch panel of the Modular Film Analyser (MFA)
- Security door (including sensor) for monitoring the measurement unit

Optional

- Customer-specific data preparation and transfer
- Remote control (via communication protocol or digital I/O)

Compatible with

- OCS Tape Line (SSA)
- OCS Modular Film Analyser (MFA)

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Similar Products



Tape Line (SSA[®])

The OCS Tape Line type SSA[®] is used specifically to detect surface irregularities (pips) on non-transparent polymer films (tape) in the wire and cable industry. The SSA[®] Line consists of a Measuring Extruder (ME) and a Modular Film Analyser with a Chill Roll (MFA-CR). During the measurement of the surfaces, the extruded polymer film (tape) passes over a chill roll, which leads the tape to the Surface Quality Analyser (SQA). This high-resolution CMOS camera system uses a specially developed measuring roll to measure the height of the surface defects (so-called pips or agglomerates) with a resolution of 1 µm. ... [read more on our Website]



Modular Film Analyser (MFA)

The OCS Modular Film Analyser (MFA) is used for the continuous cooling, stripping and winding of extruded polymer film. In combination with a variety of different measuring instruments, a wide range of applications for the analysis of different sample materials is covered. In addition to the Film Surface Analyser (FSA100V2/FSA200V2) for optical quality control of the polymer film, online spectroscopy, the measurement of haze and transmission as well as gloss and thickness can be integrated. This allows the combination of a tailor-made and yet economical solution. [vc_column width="1/2"] Features Modular architecture for customer-specific configuration with different measurement devices Homogeneous, yet ... [read more on our Website]



Surface Quality Analyser (SQA100)

The OCS Surface Quality Analyser (SQA100) is specially designed to detect irregularities on the surface (pips) of polymer films (tape) in the wire and cable industry. The high-resolution CMOS camera system measures the height of the pips with a resolution of 1 µm using a special measuring method. Additionally, the base diameter and the diameter at half the height of the pips are measured with a resolution of 10 µm. The SQA100 software allows the user to define height and diameter classes and classify the measured pips accordingly. All relevant measurement results are clearly displayed and can be exported to ... [read more on our Website]

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