

ANOTEST® YMP30-S

Sealing quality tester for anodic coatings on aluminum



Handheld instrument for on-site testing

The weather resistance of a finish is a function of sealing quality. According to DIN EN ISO 12373-5 and ASTM B 457-67, the admittance (Y) of a capacitor in which the anodic oxide film forms the dielectric is a good yard-stick of sealing quality.

The ANOTEST® YMP30-S measures the admittance according to standards, and due to its design is ideally suited for on-site testing.

Measurement procedure

A self-adhesive rubber ring is placed on the surface to be tested and the space so enclosed filled with a few drops of a test fluid. The aluminum substrate is then connected to the earthing socket of the unit and the test electrode dipped into the cell fluid, thereby forming a capacitor in which the anodic film acts as the dielectric. It is the admittance of this capacitor which is measured and directly indicated in μS (microsie- mens).



ANOTEST® YMP30-S with grounding cable and grounding clamp, meas. electrode and meas. cell

Features

- Large LCD
- Battery or AC line operated
- Automatic measurement start after insertion of the probe in the cell
- Automatic computation of the admittance referenced to standard sizes
- Signaling for poor sealing (e.g., $Y > 15 \mu\text{S}$)
- Acoustic signal for start and end of measurement
- Automatic shut-off
- Storing of 10,000 measurements in up to 100 applications
- Statistical evaluation
- Display selectable in 8 languages
- RS232 interface for printer or PC



Practical and sturdy carrying box for on-site measurements

Technical data

Meas. frequency: 1 kHz (DIN EN ISO 12373-5)
 Measuring Test cell $\varnothing$ 6 mm⁽¹⁾: 14 – 1400 μS
 ranges: Test cell $\varnothing$ 13 mm: 3 – 200 μS
 Test cell $\varnothing$ 26 mm⁽¹⁾: 0,75 – 75 μS
 Power supply: battery 9V6LR61
 Instrument dimensions
 (L x W x H): 160 mm x 80 mm x 30 mm
 Mass: 230 g

⁽¹⁾ The measurement cells with a $\varnothing$ of 6 mm and a $\varnothing$ of 26 mm do not permit standardized measurements

Order information

	Order no.
Instrument incl. standard accessories	
ANOTEST® YMP30-S	603-800
<i>Optional Accessories</i>	
Electrical reference	600-772
Placement support	600-025
Interface set MP	602-341
Adapter USB – RS232	603-650
Carrying box MP	602-891
<i>Spare Parts</i>	
Measuring cable YMP30-S	603-855
Grounding cable ANOTEST®	600-767
Grounding clamp, stainless steel	600-766
Bottle testing liquid	600-768
VE meas. cell $\varnothing$ 6 mm	600-769
VE meas. cell $\varnothing$ 13 mm	600-770
VE meas. cell $\varnothing$ 26 mm	600-771

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