

# 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  $\mu\text{S}$  (microsiemens).



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

**DYNE**  
TESTING



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  $\mu\text{S}$   
 ranges: Test cell  $\varnothing$  13 mm: 3 - 200  $\mu\text{S}$   
 Test cell  $\varnothing$  26 mm(1): 0,75 - 75  $\mu\text{S}$   
 Power supply: battery 9V6LR61  
 Instrument dimensions  
 (L x W x H): 160 mm x 80 mm x 30 mm  
 Mass: 230 g

<sup>(1)</sup> The meas. cells with a  $\varnothing$  of 6 mm and a  $\varnothing$  of 26 mm do not permit standardized measurements because the test areas are too small or too large

### 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
Carrying case MPOD/30/40	602-120
<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