ANOTEST® YMP30-S
Sealing quality tester for anodic coatings on aluminum

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

Handheld instrument for on-site testing
**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 μS)
- 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

**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 (microsiemens).

**Technical data**
- Meas. frequency: 1 kHz (DIN EN ISO 12373-5)
- Measuring ranges:
  - Test cell Ø 6 mm: 14 – 1400 μS
  - Test cell Ø 13 mm: 3 – 200 μS
  - Test cell Ø 26 mm: 0.75 – 75 μS
- Power supply: 9V battery
- Instrument dimensions: (L x W x H): 160 mm x 80 mm x 30 mm
- Mass: 230 g

**Order information**
- **Instrument incl. standard accessories**
  - ANOTEST® YMP30-S 603-800
- **Optional Accessories**
  - Electrical reference 600-772
  - Placement support 602-025
  - Interface set MP 602-341
  - Adapter USB – RS232 603-650
  - Carrying box MP 602-891
- **Spare Parts**
  - 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 Ø 6 mm 600-769
  - VE meas. cell Ø 13 mm 600-770
  - VE meas. cell Ø 26 mm 600-771

---

Practical and sturdy carrying box for on-site measurements

*The measurement cells with a Ø of 6 mm and a Ø of 26 mm do not permit standardized measurements*

---

---

**Coating Thickness**
- Material Analysis
- Microhardness
- Material Testing