Sealing quality tester for anodic coatings on aluminum

Measuring anodic film thickness with an ISOSCOPE® leaves the job only half done since the weather resistance of a finish is also a function of sealing quality. That is why you need an ANOTEST®.

It is known that the admittance (Y) of a capacitor in which the anodic oxide film forms the dielectric is a good yard-stick of sealing quality (DIN EN ISO 12373-5 and ASTM B 457-67).

The ANOTEST® YMP30-S measures the admittance according to standards, and due to its design is ideally suited for on-site measurements.
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
Measurement 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
Note: Referenced to the standard measurement cell area of 133 mm².
Power supply: battery 9V6LR61
Dimensions (LxWxH): 160x80x30 mm
Mass: 230 g
The meas. cells with a Ø of 6 mm or a Ø of 26 mm do not permit standardized measurements because the test areas are too small or too large.

Ordering information
Name Instrument incl. standard accessories
ANOTEST YMP30-S 603-800

Optional Accessories:
- Electrical reference 600-772
- Placement support 600-025
- Interface set MP 602-341
- Software PC-DATEX 602-465
- Software PC-DATACC 603-028
- Printer FMP3040 602-890
- Carrying box MP 602-891
- Carrying case MP0D/30/40 602-120

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

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