

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

Helmut Fischer GmbH Institut für Elektronik und Messtechnik
 71069 Sindelfingen, Germany

IfG-Institute for Scientific Instruments GmbH, 12489 Berlin, Germany
 Fischer Instrumentation (GB) Ltd, Lymington, Hampshire SO41 8JD, England
 Fischer Technology, Inc., Windsor, CT 06095, USA
 Helmut Fischer S. de R.L. de C.V., 76230 Querétaro, QRO, Mexico

International certifications:



www.helmut-fischer.com

Helmut Fischer AG and Helmut Fischer Technologie AG
 CH-6331 Hünenberg, Switzerland

Fischer Instrumentation Electronique, 78180 Montigny le Bretonneux, France
 Helmut Fischer S.R.L., 20099 Sesto San Giovanni (Milano), Italy
 Fischer Instruments, S.A., 08018 Barcelona, Spain
 Helmut Fischer Meettechniek B.V., 5627 GB Eindhoven, The Netherlands
 Fischer do Brasil, 04561-001 São Paulo, Brazil
 Fischer Instruments K.K., Saitama-ken 340-0012, Japan
 Nantong Fischer Instrumentation Ltd, Shanghai 200333, P.R. China
 Fischer Instrumentation (Far East) Ltd, Kwai Chung, N.T., Hong Kong
 Fischer Measurement Technologies (India) Pvt. Ltd, Pune 411036, India
 Fischer Instrumentation (S) Pte Ltd Singapore 658065, Singapore,
 Helmut Fischer Korea Co., Ltd, Seoul City, Republic of Korea
 Fischer Technology (M) SDN Bhd, 47301 Petaling Jaya, Malaysia
 Helmut Fischer Thailand Co., Ltd, Bangkok 10250, Thailand

fischer®