



EMBRACE AESA SOLUTIONS FOR
FLEXIBILITY MEASUREMENT IN
YOUR PRODUCTION PLANT:
FROM THE SIMPLEST PORTABLE
EQUIPMENT TO COMPLEX HV
INTEGRATED SYSTEMS



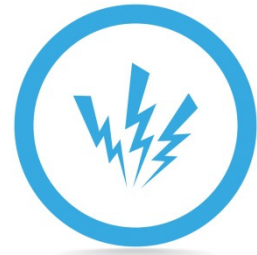
YOUR SITUATION

Besides dedicated apparatus to measure linear resistance and HF parameters, production plants have specific needs that only multi-purpose equipment can fulfil. The manufacturing requirements of special cables create an increasing need for flexibility and measurement of special parameters.

OUR SOLUTION

Thanks to its breadth of equipment offering, AESA proposes you the most relevant solution meeting your specific needs.

Our offer covers the simplest portable equipment (continuity tester, fault locator, megohmmeter...) to HV multi-purpose instruments.



HV MEASUREMENT

High Voltage DC GENERATOR 4735

Measuring dielectric strength requires simple, robust and portable equipment. The HV 4735 generator performs this test under adjustable voltage without destruction of the cable in the event of breakdown.



The low supplied current (0,3mA) prevents the destruction of the cable in case of default. The fault is indicated by the variable lighting of the lamp, flashing when the current leakage reaches 10 μ A.

- Portable device for laboratory and outdoor works
- Non-destructive testing
- Adjustable voltage up to 10KV DC
- Safety ensured thanks to an automatic cable discharge at the end of testing
- Powered by battery or direct 115/230V

High Voltage AC GENERATOR 2715

Manual testing of dielectric strength performed on multi-core cables requires a test apparatus that is both fully reliable and ensures user safety.

These measurements are generally performed at the test platform stage on one or more coils.

Throughout the test period, the safety of the operator is ensured by an adequate protection protocol that is completely tailor-defined with the customer.

- Available power up to 15KVa
- Adjustable test voltage through an autotransformer
- Automatic discharge of the cable at the end of the test session
- Large display of voltage and current
- Timer for determining test duration
- Combined safety devices
- Very simple to use
- Robust and versatile

High Voltage DC/AC +IR +HF +LF AUTOMATIC TEST EQUIPMENT GAIA

A single and versatile device allowing you to measure the dielectric strength, the insulation resistance, the low frequency parameters (RCKE), as well as the high frequency parameters (attenuation, impedance, crosstalk) in a single run: the Gaia instrument is your ideal automatic solution to characterize instrumentation and multi-pairs telecom cables.

- High voltage test $\leq 6KV$ DC
- Insulation resistance $\leq 200G\Omega$
- LF measurements
- HF parameters @ 800Hz or 1kHz
- Up to 80 pairs connecting frames available.
- Robust and versatile



PORTABLE DEVICES

FAULT LOCATOR

3432

Fault location without cable destruction allows you to save substantial quantities of raw material.

The 3432 is your perfect partner for the direct localization of contacts and broken wires on different materials (thermocouples, coaxial cables).

Based on the measuring principle of the comparative method of the resistance or capacity, this unique instrument makes it possible to locate high resistance faults up to $1M\Omega$.



- Direct display of the fault position (LCD screen)
- Good accuracy of up to $1M\Omega$ resistor fault
- Portable device
- Battery powered or 115/230V

MEGOHMMETER

3921

The Megohmmeter 3921 has been specially designed to measure the insulation resistance of telecommunication, signalling, coaxial, LV and MV cables.

It takes into consideration cable length during the test session. This provides a direct reading in $M\Omega km$ on a large display mounted on a mobile support. In the 1000m position, the 3921 unit is used as a conventional Megohmmeter.

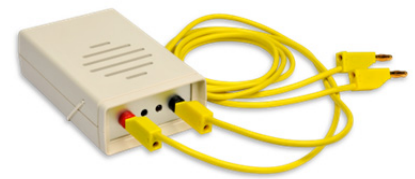
The output voltage is fixed at 500V DC. The stability of the displayed value is ensured thanks to the triaxial cable which acts as a guard ring up to the connection of the cable to be tested. At the end of the test session, the cable is automatically discharged.

- Stabilized displayed value in Mohm x km
- Portable device for laboratory and workshop
- Direct reading of the fault location in meters
- Automatic discharge at the end of the test session
- High precision
- Battery powered or 115/230V
- Simple operation

CONTINUITY TESTER

3216

Are you looking for a continuity tester usable in a noisy environment? The 3216 continuity bell is your perfect partner for such challenging conditions.



The continuity tester 3216 allows the easy and quick check of the continuity within a cable or a wire.

Its robustness and its adjustable visual and noise signals make it an essential instrument in all cable manufacturing plants.

- Adjustable buzzer
- Visual signal
- Protection against external voltages
- Battery powered
- Robust
- For long cables adapted



REFERENCES



ABERDARE
CABLES

Bayka

BELDEN
SENDING ALL THE RIGHT SIGNALS

Berk-Tek
A HEXANS COMPANY

Brand-Rex

CARLISLE

CABELTE

COFICAB

COMMScope

DATWYLER

Draka

Ducab دوطاب

ELSEWEDY
CABLES

FURUKAWA
ELECTRIC

General Cable

HUBER+SUHNER

LEONI

MESC

hexans

nkt cables

PRYSMIAN
CABLES & SYSTEMS

RADIO FREQUENCY SYSTEMS
The Clear Choice

SRG

Southwire

SUMITOMO
ELECTRIC

SUPERIOR
ESSEX



AESA SA
Chemin de la Plaine 7
CH-2013 Colombier

AESA GmbH
TBG TechnologiePark Bergisch Gladbach
Friedrich-Ebert-Strasse
D-51429 Bergisch Gladbach

T +41 32 841 5177
F +41 32 842 4865
aesa@aesa-cortailod.com
www.aesa-cortailod.com

