

# Calibration services

*Have the accuracy of your test equipment and/or the nominal value of your standard certified*



## DESCRIPTION

AESA is an officially accredited ISO 17025 company offering calibration services. It can provide services to confirm the accuracy of the equipment used in production premises and/or to assess the value of the standards used for calibration purposes. Those tasks can be performed at customers' facility concerning testing devices and in AESA's laboratory for the standards.

With more than 40 years of developing and producing test and measurement equipment for the cable industry, only AESA can guarantee a high quality and professional calibration service for this type of equipment.

## KEY FEATURES

- ISO 17025 certificate
- Confirm the reliability of your instruments
- Demonstrate your compliance with procedures and standards



AESA Cortaillod

## SPECIFICATIONS

<p><b>Calibration of test equipment</b></p> <p>- at customer's premises</p> <p>- at AESA's laboratories</p>	<p><b>INCLUDED SERVICES:</b></p> <ul style="list-style-type: none"> <li>- Cleaning and functional test</li> <li>- Original mechanical settings check</li> <li>- Check against AESA's ISO 17025 calibrated standards</li> <li>- Adjustments of equipment according to the original specifications</li> <li>- Calibration and release of official certificate</li> </ul> <p><b>NOT INCLUDED</b></p> <ul style="list-style-type: none"> <li>- Labour and travelling costs, charged separately</li> <li>- Spare parts</li> </ul> <p><b>NOT INCLUDED</b></p> <ul style="list-style-type: none"> <li>- Packing and transportation of the equipment between AESA's and customer's facility</li> <li>- Labour costs, charged separately</li> <li>- Spare parts</li> </ul>
<p><b>Calibration of Standards</b></p> <p>- at AESA's laboratories</p>	<p><b>INCLUDED SERVICES:</b></p> <ul style="list-style-type: none"> <li>- Original mechanical settings check</li> <li>- Check against AESA's ISO 17025 calibrated standards</li> <li>- Calibration and release of ISO 17025 certificate</li> </ul> <p><b>NOT INCLUDED:</b></p> <ul style="list-style-type: none"> <li>- Packing and transportation of the equipment between AESA's and customer's facility</li> </ul>

## TYPICAL PROCEDURE

<p>for calibrating <b>communication cables testing equipment</b></p>	<p><b>PREPARATION WORK:</b></p> <ul style="list-style-type: none"> <li>- Functional test and general mechanical check and HF connection</li> </ul> <p><b>CALIBRATION:</b></p> <ul style="list-style-type: none"> <li>- LF and HF zero correction</li> <li>- LF calibration following ISO 17025 procedure</li> <li>- HF calibration following AESA procedure</li> </ul> <p><b>ADDITIONAL TESTS AND CHECKS:</b></p> <ul style="list-style-type: none"> <li>- Measurement of LF standard on all position of frame (near and far)</li> <li>- Noise floor NEXT measurement</li> <li>- Check of customer zero correction standards</li> <li>- Measurement of customer cable</li> <li>- General check of cabling (HF connectors ...) and 27V power supply</li> </ul>
<p>for calibrating <b>linear resistance testing equipment</b></p>	<p><b>PREPARATION WORK:</b></p> <ul style="list-style-type: none"> <li>- Cleaning and greasing of jaws and knives</li> <li>- General mechanical check and adjustment</li> <li>- Check temperature sensor</li> </ul> <p><b>CALIBRATION:</b></p> <ul style="list-style-type: none"> <li>- Calibration following ISO 17025 procedure</li> </ul> <p><b>ADDITIONAL TESTS AND CHECKS:</b></p> <ul style="list-style-type: none"> <li>- Check Cu rod with and without temperature correction</li> <li>- Control of heaters</li> <li>- Check of general settings</li> <li>- Measurement of customer rod or cable</li> </ul>