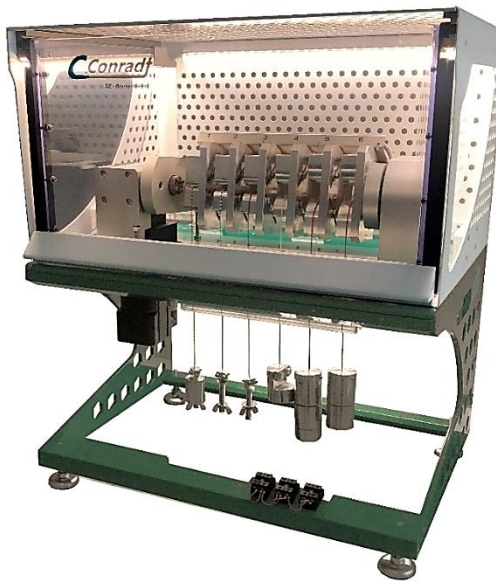


Cable test devices

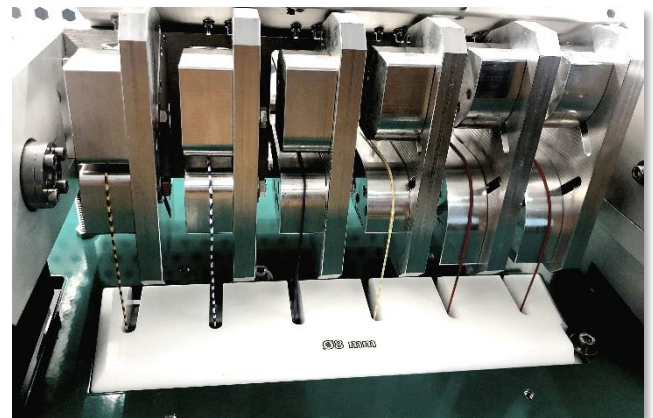
Flexlifetest cable test device type 101



The flexlifetest, i.e. alternating bending test, is based on the standard specification ASTM B470. During the test, the cables or wires to be tested are alternately bent over defined radii in cycles. The defined bending angle, weight load and speed permit comparable test results.

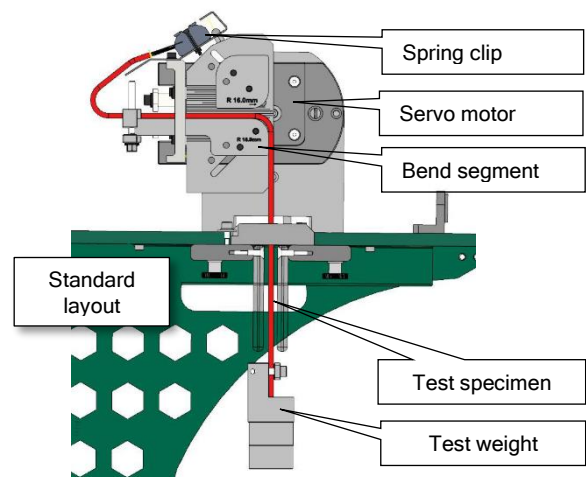
As various standards require testing at different temperatures, our cable test devices are also designed for use in standard climatic exposure test cabinets.

Swivel bracket with various bend segments



A safety door contact monitors the test room and stops movement when the door is opened. Handling required to insert and remove the test specimens is assisted by an LED light.

- Cable test device as per ASTM B470 and ISO 14572
- Holders for 6 DUTs
- Changeable bending radii and test weights
- Bending angle ± 30 to ± 90 degrees
- Bending speed 10 to 60 cycles per minute
- 1 KW servo motor with gearbox
- Cable breakage detection
- Optionally available with 4-pole resistance measurement
- Designed for operation in climatic exposure test cabinets,
temperature range -40 bis $+80$ °C
outer dimensions W600 x H780 x D450 mm

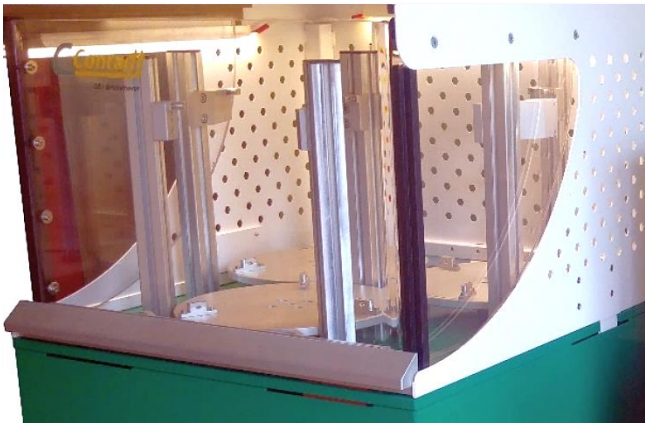


Together with our partner CCONRADT, we offer cable test devices for testing the alternating bending and torsion of cables and wires.

Cable test devices

Torsion cable test device type 230

Specification



This device is used to test the torsion of HF cables. 3 plates synchronously rotate in an alternating direction within the protective housing according to a specified test plan and climate profile. The damping characteristics of the cables are subsequently measured. We also offer other devices for higher temperature ranges on request.

Control

Our cable test devices are controlled by a switch cabinet and the servo controller, safety components, PLC control and an optional 24-channel resistance measurement module.

The devices are operated using a separate unit with a touch display.



Please consult the operating instructions to learn more.

Switch cabinet

Dimensions 500 x 400 x 300 mm
 Weight 22 Kg
 Power supply 110 - 230 VAC monophase max. 1000W

Interfaces

operator control module, safety switch, breakage monitoring and resistance measurement

Compressed air

none

Temperature range

15 to 35 °C

Operator control module

Dimensions 220 x 220 x 80 mm
 Weight 2 Kg
 Power supply 12V DC, 2A
 Interfaces HDMI, USB
 Temperature range 15 to 35 °C

Please read data sheet RMESS24 for more information on resistance measurement.