



### Scope of application

The strain gauge connection kit GZ DMS-2/3 is used together with universal and servohydraulic testing machines. It is used to connect the strain gauge of the specimen to the testing machine. For this purpose, a Wheatstone bridge is required to record the small ohmic resistance changes that occur locally in the strain gauge when the specimen is strained. In the testing machine these resistance changes are converted into strains.

The strain gauge connection kit GZ DMS-2/3 is characterised by a very user-friendly design. It consists of two or three long-life connection terminals for connecting the strain gauges in 2-wire or 3-wire technology, which guarantee reliable contacting of the strain gauge conductors.

The cable to the measuring amplifier is connected to the strain gauge connection box via an Amphenol socket (push & turn). For the Wheatstone bridge, high-quality and selected supplementary resistors are used. The strain gauge connection box is attached to the frame of the universal testing machine via magnetic feet.

### Features & benefits

- Universal connection kit for strain gauges for use with universal testing machines
- Two or three terminals for connecting the strain gauges in 2-wire or 3-wire technology
- Use of high-quality and selected resistors for the Wheatstone bridge
- Fixing of the strain gauge connection box via magnetic feet



## Technical data

Characteristics	Values
Specimen geometry	2 or 3
Permitted temperature range	+10...+40 °C
Dimensions (L x W x H)	120 mm x 72 mm x 28 mm
Weight	approx. 250 g

## Options

- Connection cable for MTS testing machines, shielded, Amphenol connector (push & turn)
- Connection cable according to customer specification, shielded, Amphenol connector (push & turn)

## Versions

- GZ DMS-2/120  
2-wire technology, resistance 120 Ohm
- GZ DMS-2/350  
2-wire technology, resistance 350 Ohm
- GZ DMS-3/120  
3-wire technology, resistance 120 Ohm
- GZ DMS-3/350  
3-wire technology, resistance 350 Ohm

