

**Product information**

**Calibration and Testing**

**DMS Manual Calibrator**



Picture with 2 bridge resistances

**Characteristics**

The **manual strain gauge calibrator** is used for simulation of strain gauge sensors with bridge resistances of 120 W, 350 W or 1000 W. Other bridge resistances or the combination of up to 2 bridges in one housing are available on request. The device is used wherever strain gauge amplifiers need to be tested or calibrated. The sensitivity setting is done by parallel connection of resistances to a shunt arm. For switching of polarity the shunt circuit is reversed.

Sensitivity settings and switching of polarity are done manually with high-precision switches.

**Technical Data**

<b>Sensitivity settings</b>	0; 0.25; 0.5; 1; 2; 4; 5; 8; 10; 25; 50 mV/V
<b>Bridge resistances</b>	120, 350, 1000 Ω
<b>Terminal(s)</b>	7-pole Lemo jack series 2B (others on request) optional 7 Banana jacks
<b>Accuracy DC</b>	± 0,02 % (for setting ≥2 mV/V)
for carrier frequency 5 kHz	± 0.5 %
<b>Stability</b>	± 0,02 % (for setting ≥2 mV/V)
<b>Environmental temperature</b>	0..50 °C

**Dimensions**

118 x 64 x 170mm (B x H x T)

**Ordering Code**

SIM-DMS -  -  -  -  -

<b>1. Hand-operated simulator</b>	
120	Bridge resistance 120 Ω
350	Bridge resistance 350 Ω
1000	Bridge resistance 1000 Ω
120 / 350	Housing with 2 bridge resistances 120 / 350 Ω
120 / 1000	Housing with 2 bridge resistances 120 / 1000 Ω
350 / 1000	Housing with 2 bridge resistances 350 / 1000 Ω
<b>2. Option</b>	
FK1	Frequency inspection up to 5 kHz for 1 bridge resistance
FK2	Frequency inspection up to 5 kHz for 2 bridge resistances
<b>3. Terminal</b>	
-	7-pole Lemo socket (standard)
BAN	optional plus 7 banana sockets (only for 1 bridge resistance)
<b>4. Accessories</b>	
LS7	Plug for 7-pole Lemo socket, price per plug

Example: SIM-DMS-120/350R-LS7