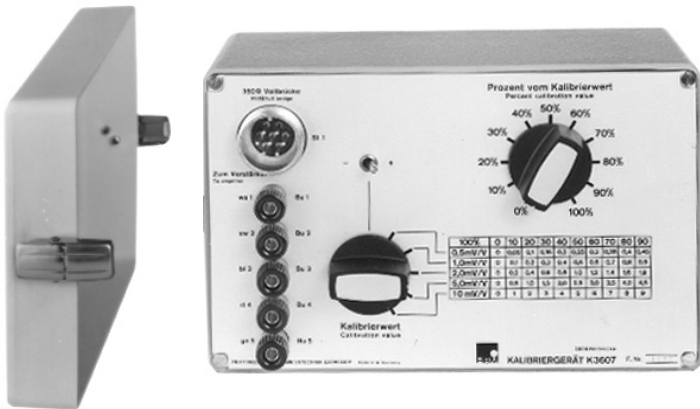


# K3607

## Calibration Unit

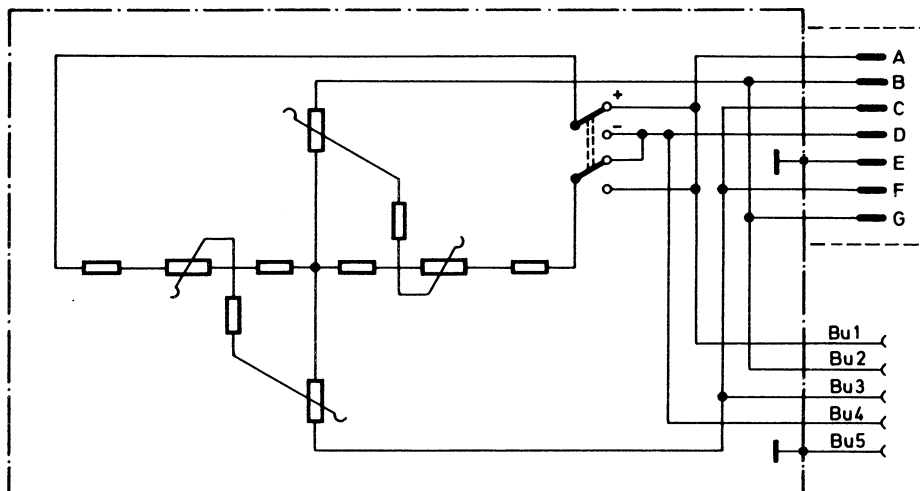


### Special features

- suitable for simulating defined output signals of strain gauge fullbridges
- 30 calibration signals between 0.05 mV/V and 10 mV/V
- absolute zero point stability with equivalent star circuit
- suitable for transducers supplied with dc voltage and carrier frequency up to 5 kHz
- mobile application for many measuring chains

### Connection diagramm

MS 3102A 16S-1P



## Technical Data

Type		K3607
<b>Accuracy class</b>		0.025**
<b>Calibration steps</b> 5 range steps 11 percentage steps within the range in each case	mV/V %	0.5; 1; 2; 5; 10 0; 10; 20...100
<b>Polarity switch*</b>		positive or negative output signal as desired
<b>Step error of the range steps,</b> related to the full scale value of the range in each case	%	< ± 0,025
<b>Step error of the percentage steps,</b> related to the full scale value of the range in each case	%	< ± 0,01
<b>Absolute calibration of the full scale value</b> of the range at the 2 mV/V at 23 °C with 6-wire cable, related to 2 mV/V	%	< ± 0,02
<b>Temperature effect of the absolute calibration per 10 K,</b> in the service temperature range	%	< 0,03
in the nominal temperature range	%	< 0,01
<b>Nominal temperature range</b>	°C	+10...+50
<b>Permissible ambient temperature range</b>	°C	+10...+60
<b>Service temperature range</b>	°C	+10...+60
<b>Storage temperature range</b>	°C	-25...+70
<b>Frequency range of supply voltage</b>	Hz	0(DC)...5000 Hz**
<b>Nominal value of supply range</b>	V	4
<b>Maximum permissible supply voltage</b>	V	18
<b>Weight</b>	kg	1
<b>Dimensions (b x h x t)</b>	mm	200 x 110 x 120

\* "positive" means strain at the bridge arm between Bu1 and Bu2 (between A and B on the Amphenol plug)

\*\* If carrier frequency 5 kHz is used, the accuracy class is 0.5

### Accessories, included in scope of delivery:

Connecting cable KAB0238A-3, 3 m long, 6cores (MS3106A16S-1P / MS3106A16S-1S)

### Accessories, to be ordered separately:

Adapter cable KAB0133A (MS3101A16S-1S / DB-15P)

Adapter cable K-KAB140A (MS3101A16S-1S / open ends)

Modifications reserved.

All details describe our products in general form only. They are not to be understood as express warranty and do not constitute any liability whatsoever.

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