



Example MVK-SU

The MVK calibrator box is used to check and adjust DC or carrier frequency measuring amplifiers with mV/V signals.

Versions are available with fixed or selectable sensitivities from $\pm 0.5\text{mV/V}$ to $\pm 80\text{mV/V}$ and switchable configuration to half or full bridge.

Other voltage ratios are available on request. The connection to the measuring amplifier is made via the built-in SUB-D connector (the mating connector is supplied).

Technical data

Sensitivity:

MVK	$\pm 80\text{mV/V}$, half bridge
MVK-S2 $\pm 2\text{mV/V}$	half or full bridge switchable
MVK-S80 $\pm 80\text{mV/V}$	half or full bridge switchable
MVK-SU $\pm 0.5\text{mV/V}$	$\pm 80\text{mV/V}$, half or full bridge switchable

Accuracy:	better 0.2% (DC / TF 5kHz), higher accuracy on request
Temperature response:	50 ppm or smaller (on request)
Input resistance:	350 Ohm $\pm 1\%$ (1k optional)
Max. Supply voltage:	20 volts (effective) AC/DC

Electrical connection: D-SUB 9-pin (D-SUB 15-pin via adapter cable optional)

Connection Version MVK-x /9

Pin assignment D-SUB 9:	Pin 5 measuring signal +
	Pin 9 Measuring signal -
	Pin 2 Supply voltage +
	Pin 3 Supply voltage -
	Pin 6 Supply voltage feedback +
	Pin 7 Supply voltage feedback -

Connection Version MVK-x /15

Pin assignment D-SUB 15:	Pin 8 measuring signal +
	Pin 15 Measuring signal -
	Pin 6 Supply voltage +
	Pin 5 Supply voltage -
	Pin 13 Supply voltage feedback +
	Pin 12 Supply voltage feedback -