Data sheet

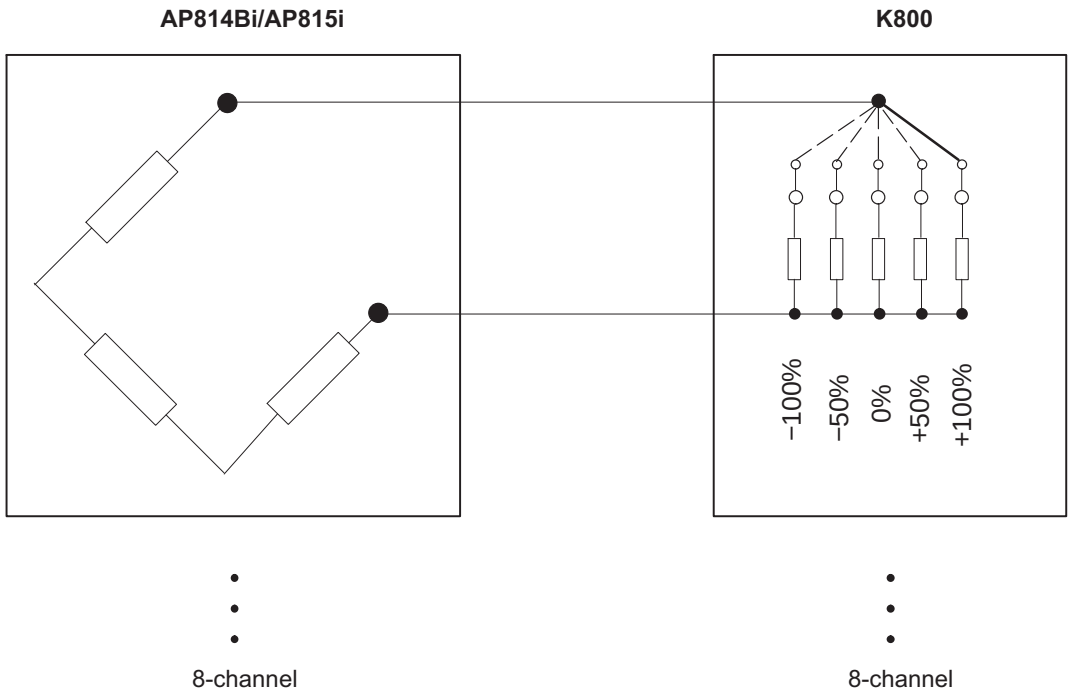
K800

Calibration unit for 8-channel quarter-bridge measuring amplifiers

Special features

- **Quarter-bridge simulations (for calibrating the AP814Bi and AP815i of the MGCplus system)**
- **Parallel control of all eight calibration signals**
- **Four versions: 120 Ω, 350 Ω, 700 Ω or 1000 Ω calibration resistance**
- **Computer control or manual operation**
- **Status display via LEDs**

Principle



Specifications

Type		K800			
Calibration resistance	Ω	120	350	700	1000
Accuracy class		0.03			
Nominal (rated) value of the excitation voltage	V_{DC}	2.5			
Maximum permissible excitation voltage	V_{DC}	5			
Calibration steps	%	-100; -50; 0; 50; 100			
	mV/V	-8; -4; 0; 4; 8			
Equivalence (at gage factor = 2)	µm/m	-16000; -8000; 0; 8000; 16000			
Range deviation	%	< 0.03			
Influence of temperature on absolute calibration per 10K, in nominal temperature range	%	< 0.03			
Nominal temperature range	°C	+10...+40			
Operating temperature range	°C	0...+60			
Storage temperature range	°C	–25...+70			
Supply voltage[1)]	V	+12			
AP814Bi connection		3-wire technique, 1x 25-pin D-Sub			
AP815i connection		4-wire technique, 2x 25-pin D-Sub			
Dimensions (H x W x D)					
K800 calibration instrument	mm	75 x 330 x 270			
USB Power supply	mm	65 x 40 x 16			
Weight, approx.					
K800 calibration instrument	kg	3			
USB power supply	kg	0.03			

1) Supplied by USB power supply or external power supply (not included in scope of delivery).

Accessories, included in scope of delivery

Connection cable, 2 pcs, 3 m long, 25-core, for connection to AP814Bi or AP815i of the MGCplus system — Order No.: 1-KAB263-3

USB connection cable, 2 m long,

USB power supply (Europlug)

USB power supply (NEMA-1)

Option (to be ordered separately)

DKD calibration certificate — Order No.: K-CAL-SD5

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