

K800

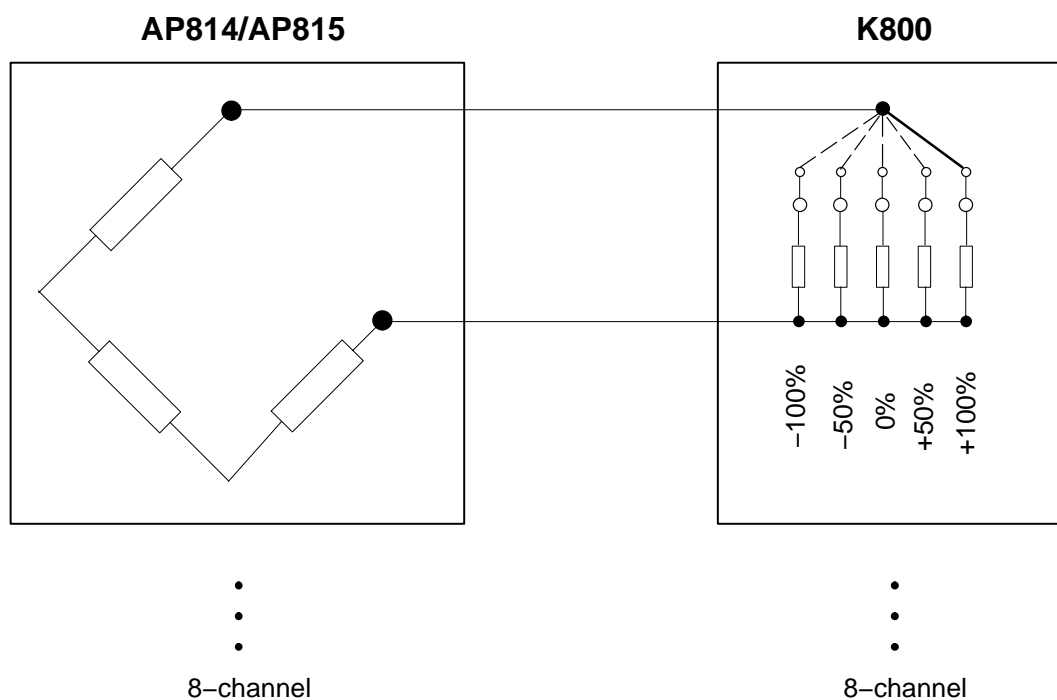
Calibration unit for
8-channel quarter-bridge
measuring amplifiers



Special features

- Quarter-bridge simulations (for calibrating the AP814 and AP815 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)	$\mu\text{m/m}$	-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	$^{\circ}\text{C}$	+10...+40			
Operating temperature range	$^{\circ}\text{C}$	0...+60			
Storage temperature range	$^{\circ}\text{C}$	-25...+70			
Supply voltage ¹⁾	V	± 12 or via USB ²⁾			
AP814 connection		3-wire technique, 1x 25-pin SubD			
AP815 connection		4-wire technique, 2x 25-pin SubD			
Dimensions (H x W x D)					
K800 calibration instrument	mm	75 x 330 x 270			
Power supply unit	mm	60 x 120 x 65			
Weight, approx.					
K800 calibration instrument	kg	3			
Power supply unit	kg	0.5			

¹⁾ Supplied by external power supply unit (see accessories)

²⁾ Current requested when USB port connected: 160 mA

Accessories, included in scope of delivery:

Connection cable, 2 pcs, 3 m long, 25-core, for connection to AP814 or AP815 of the MGCplus system

USB connection cable, 2 m long,

Connection cable for digital controller, 1.5 m long,

Power supply unit, mains voltage 110–250VAC, 50...60 Hz

Order No.: KAB 263–3

Order No.: 3–3301.0127

Order No.: 3–3301.0106

Option (to be ordered separately):

DKD calibration certificate

Order No.: K–CAL–SD5

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