



## KL4002 | 2-channel analog output terminal 0...10 V

The KL4002 analog output terminal generates signals in the range from 0 to 10 V. The voltage is supplied to the process level with a resolution of 12 bits and is electrically isolated. The output channels of the Bus Terminal have a common ground potential. The KL4002 combines two channels in one housing. The run LEDs give an indication of the data exchange with the Bus Coupler.

Technical data	KL4002   KS4002
Technology	single-ended
Number of outputs	2
Power supply	via the K-bus
Signal voltage	0...10 V
Load	> 5 k $\Omega$ (short-circuit-proof)
Output error	< $\pm 0.1$ % (relative to end value)
Resolution	12 bit
Conversion time	~ 1.5 ms
Electrical isolation	500 V (K-bus/signal voltage)
Current consumption power contacts	– (no power contacts)
Current consumption K-bus	typ. 75 mA
Bit width in the process image	output: 2 x 16 bit data (2 x 8 bit control/status optional)
Configuration	no address or configuration setting
Weight	approx. 85 g
Operating/storage temperature	-25...+60 °C/-40...+85 °C
Relative humidity	95 %, no condensation
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protect. class/installation pos.	IP 20/variable
Pluggable wiring	for all KSxxxx Bus Terminals
Approvals	CE, UL, Ex

Special terminals	
KL4002-0010	Siemens S5 format
KL4002-0011	fast $\mu$ P, scan time approx. 0.15 ms
KL4002-0050	Siemens S7 format