



## KM4602 | 2-channel analog output terminal 0...10 V, manual/automatic operation

The analog KM4602 output terminal has two potential-free analog 0 to 10 V outputs. Both are connected internally to common ground. For each channel a switch enables selection between automatic or manual mode. In automatic mode an analog value is issued depending on the process data. With the manual switch settings the value set via the potentiometer is applied to the output. For manual mode a 24 V supply is required for the Bus Coupler. The switch state can be read by the controller.

Technical data	KM4602
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. 175 mA
Configuration	no address or configuration setting
Special features	manual/automatic operation
Weight	approx. 85 g
Operating/storage temperature	0...+55 °C/-25...+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
Approvals	CE

Further manual operating terminals	
<b>KM1644</b>	4-channel manual operation
<b>KM2604</b>	4-channel relay module 230 V AC, 16 A, potential-free change-over contact
<b>KM2614</b>	4-channel relay module 230 V AC, 16 A, potential-free change-over contact, with manual operation
<b>KM2642</b>	2-channel relay module 230 V AC, 6 A, manual/automatic operation, relais state readable
<b>KM2652</b>	2-channel relay module 230 V AC, 6 A, manual/automatic operation, switch and relay state readable