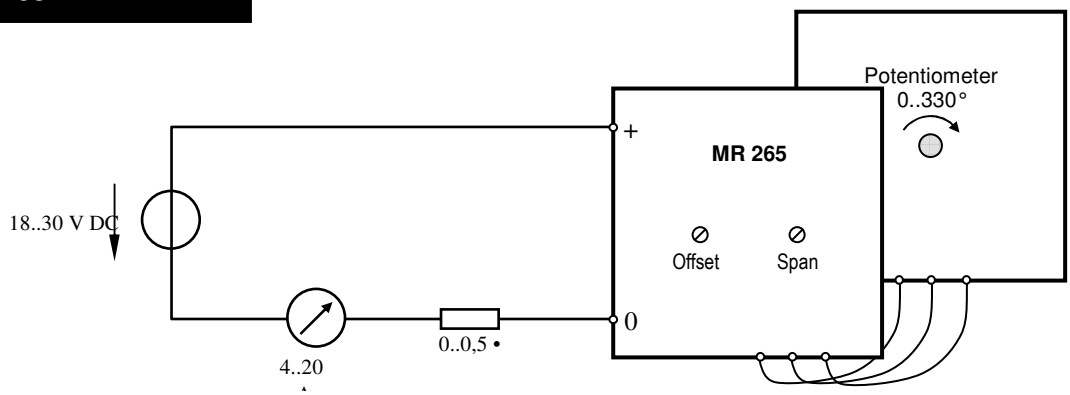
Programmable Current Loop Interface 4...20 mA
(Two Wire Single Supply Powered)

MICRONOR
automation components

Type MR 265



This unit produces a current ouput proportional to the setting of an externally connected potentiometer. Both the zero offset and slope of the output can independently programmed using the two on-board trimmer potentiometers.

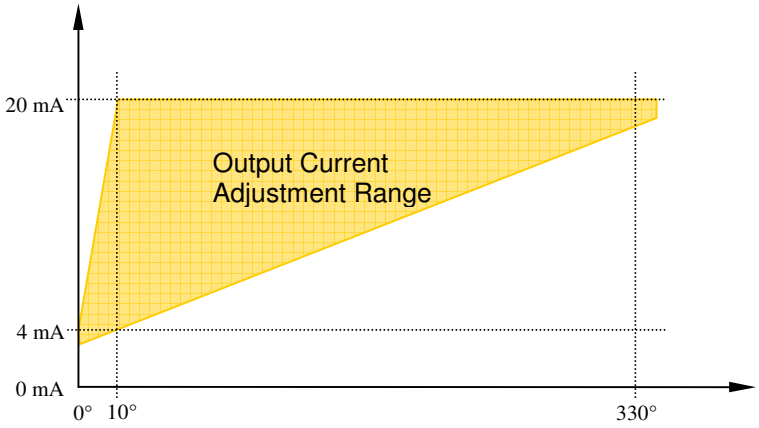
Model Description — **Programmable Current Loop Interface 4...20 mA**
Type — **MR265 Option (See KWG Series)**
Part Nr. — **0501.24.344**

Specifications (Characterized at 24V Loop voltage)

Power Supply:	Loop Powered using the 4-20mA signal connection
Loop Voltage:	24...30 V DC
Current Consupmtion:	4...20 mA
Power Consumption:	550 mW (maximum)
External Burden Resistance:	500 Ω (maximum with 24V or higher)
Output Current (programmable):	4...20 mA
Linearity:	± 0.5 %
Operating Temperature Range:	0...70℃
Temperature Dependence:	100 ppm/℃ (maximum)

Output Current Adjustent
With the potentiometer being adjustable over a mechanical range of 0° to 330° the output current may be adjusted anywhere beween 4mA to 20mA inside the yellow shaded area as shown in the figure to the right.

Min. Offset: 0°
Max. Offset: 10°
Min. Slope: 48.5 µA/°
Max. Slope: 1.6 mA/°



The curve to the right visualizes the adjustment range which lies within the yellow shaded area.

Programming Instructions:
1. Set potentiometer to the desired lower limit (must be within 10° of maximum potentiometer deflection)
2. Adjust the output to 4mA using the trimmer potentiometer labelled offset
3. Set potentiometer to the desired upper maximum position
4. Adjust the output to 20mA using the trimmer potentiometer labelled Span