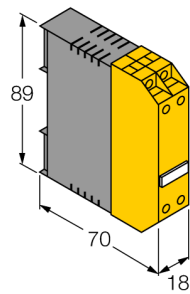


# Processor Unit

## For the Connection of FCS Product Series Non-Ex Flow Sensors

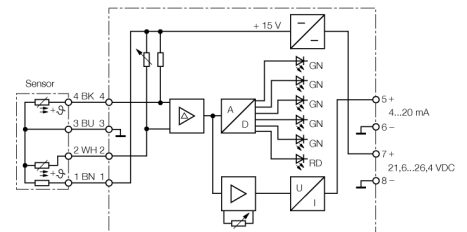
### Device with Current Output

#### MK96-LI01



- For connection of a standard flow sensor
- Adjustment via potentiometer
- 6 LEDs for display of the flow state
- 2-wire DC, 19.2...28.8 VDC
- 4...20 mA analog output

#### Wiring Diagram



#### Functional principle

The signal processors not only supply immersion and inline flow sensors with voltage, they also process and display measured signals. Devices of the MK96... and FM-IM-... models are available. The individual models are designed for different operating voltages and feature various output and supplementary functions. For Ex flow sensors, it is required to use signal processors with intrinsically safe input circuits of the FMX-IM-... product series.

ID	7525004
Type	MK96-LI01
Ambient temperature	-20...+60 °C
Operating voltage $U_s$	19.2...28.8 VDC
Current consumption	≤ 100 mA
Output function	Analog output
Current output	4...20 mA
Protection class	IP20
Protection class (terminals/housing)	IP20 / IP40
Design	Signal processor
Dimensions	70 x 18 x 89 mm
Housing material	Plastic, Polycarbonate/ABS
Electrical connection	Terminal chamber
Flow state display	LED chain, red (1x), yellow (1x), green (4x)
LED display	red = 4 mA yellow > 4 mA 1x green > 8 mA 2x green > 12 mA 3x green > 16 mA 4x green = 20 mA
Tests/approvals	