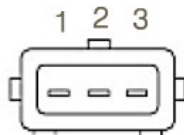




# Absolute Pressure sensor MKS 50 –1000



## Features MKS 50 -1000

- ⊕ Pressure range 50 ... 1000 kPa
- ⊕ Temperature compensated
- ⊕ Fully calibrated
- ⊕ Fast ratiometric analog output technology
- ⊕ ESD-protection and short circuit protected
- ⊕ Inverse polarity protected up to 300mA supply current
- ⊕ Usable with air, fuel and oil
- ⊕ Body 19 mm hexagon, brass
- ⊕ Two versions with different lengths
- ⊕ 3 pole Bosch / Amp male connector
- ⊕ Available with M10X1.0 and M12X1.5 thread
- ⊕ Cone assembly also possible

Available MKS sensors: 10-115 kPa, 20-250 kPa,  
15-380 kPa, 50-400 kPa, 50-600 kPa, 50-1000 kPa

## Technical data MKS 50 - 1000

- |   |                 |
|---|-----------------|
| ⊕ Pressure range                                    | 50 ...1000 kPa  |
| ⊕ Supply voltage                                    | 4.75 ... 5.25 V |
| ⊕ Supply current at US = 5 V                        | 9 mA            |
| ⊕ Output voltage 0.5 V @ 50 kPa ... 4.5 V @1000 kPa |                 |
| ⊕ Output load current                               | -1.0 ... 0.5 mA |
| ⊕ Lower limit at US = 5 V                           | 0.3 V           |
| ⊕ Upper limit at US = 5 V                           | 4.7 V           |
| ⊕ Response time                                     | 1.0 ms          |
| ⊕ Temperature range                                 | -40 ... +125°C  |
| ⊕ Weight  | 60 g            |
| ⊕ Length  | 65 mm           |

### Cable version:

- ⊕ Flexible (-30°C) oil resistant cable, length ~200 mm
  - ⊕ Body length 35 mm
- ⊕ All sensors: Pin 1 = gnd, Pin 2 = signal, Pin 3 = +5V

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