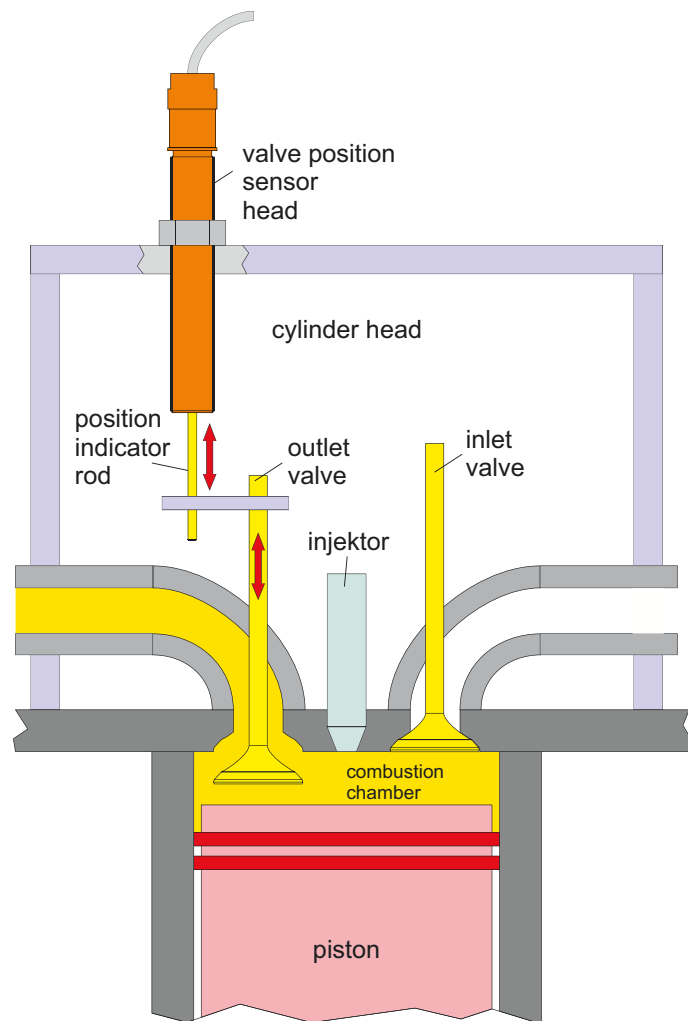
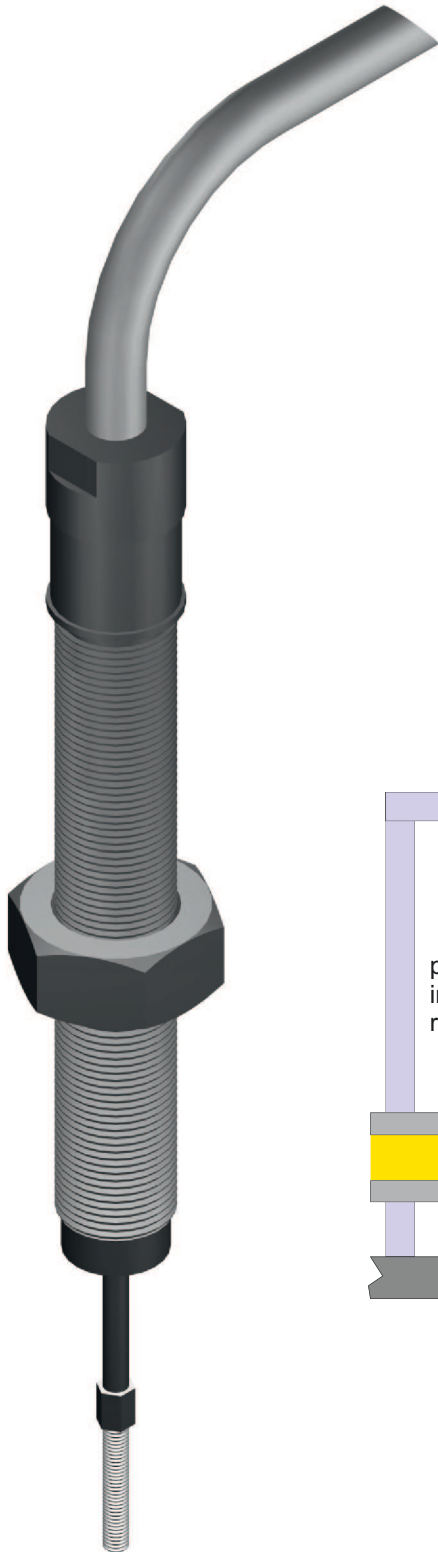


Valve Position Sensor

VPS-20-T-M14x1-5.5



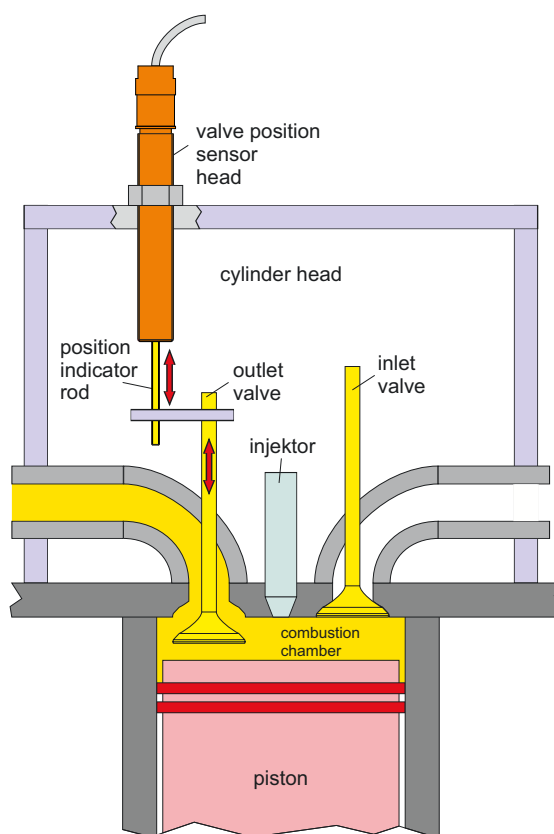
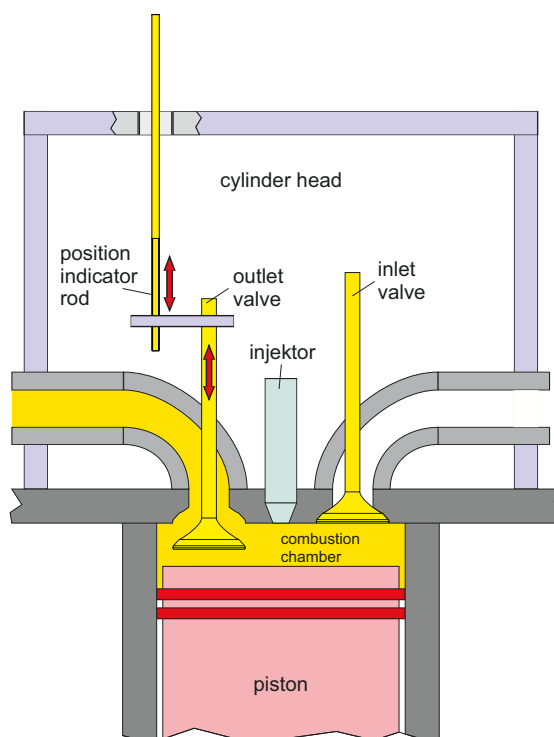
05.03.2026

Valve Position Sensor

VPS-20-T-M14x1-5.5



MESSTECHNIK GMBH_p 02/10

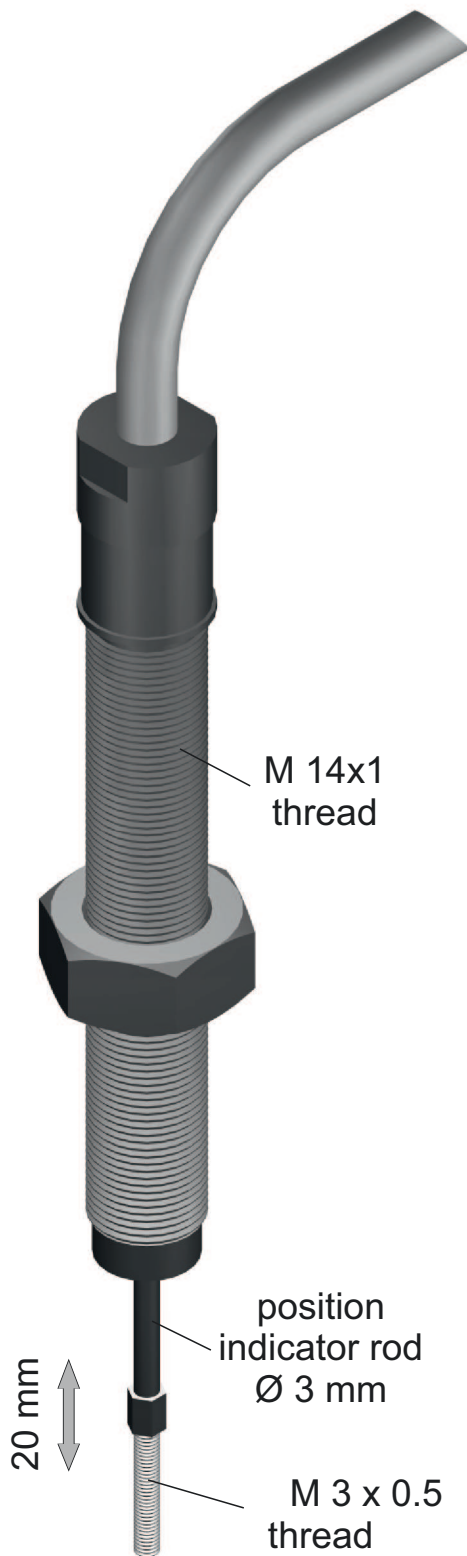


Valve Position Sensor

VPS-20-T-M14x1-5.5



MESSTECHNIK GMBH _{p 03/10}



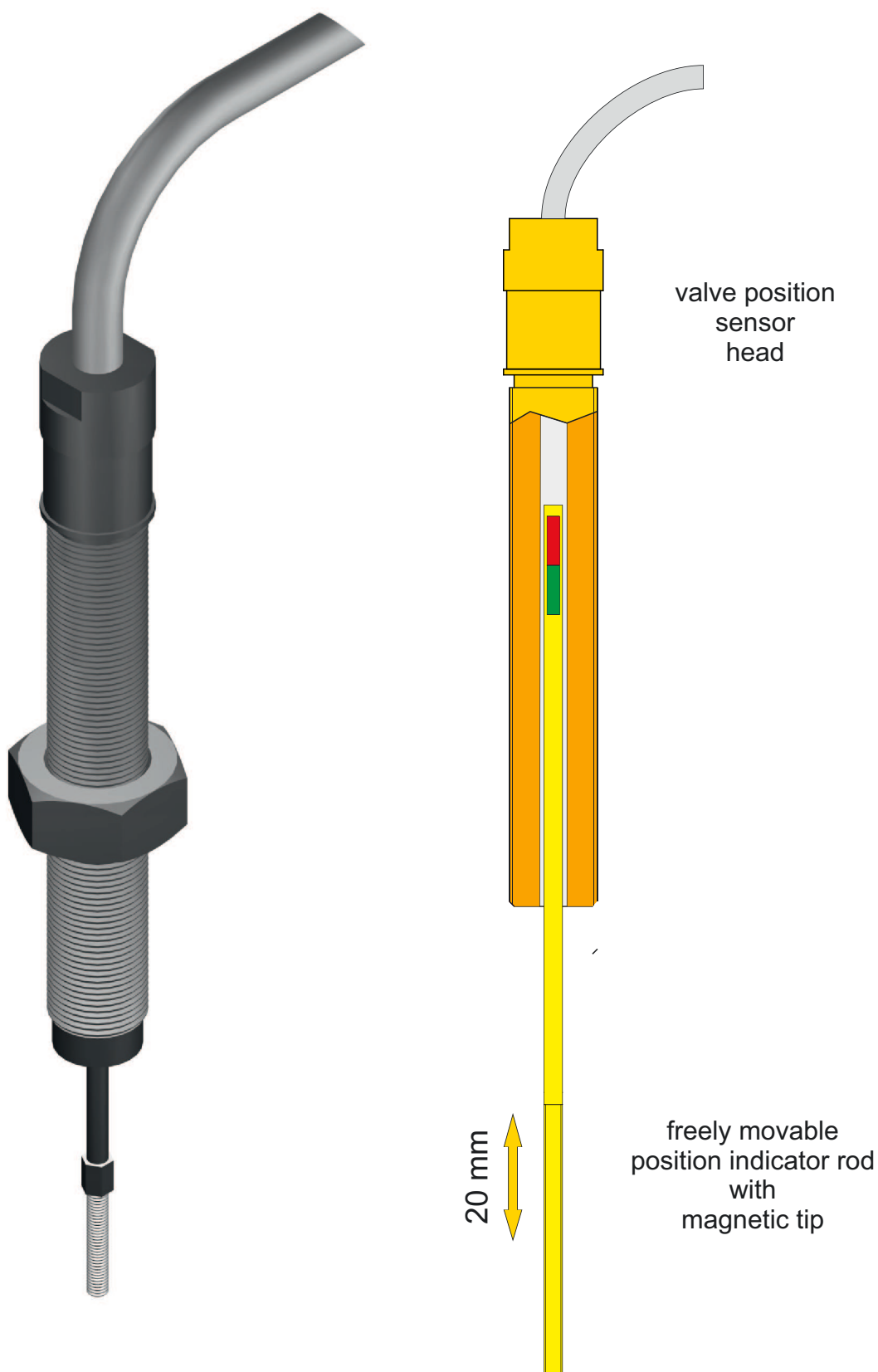
- **static and dynamic measuring**
- **20 mm measuring range (absolut)**
- **5 μ m resolution**
- **0 ... 1 kHz dynamic range**
- **10 μ s response time**

Valve Position Sensor

VPS-20-T-M14x1-5.5



MESSTECHNIK GMBH _{p 04/10}

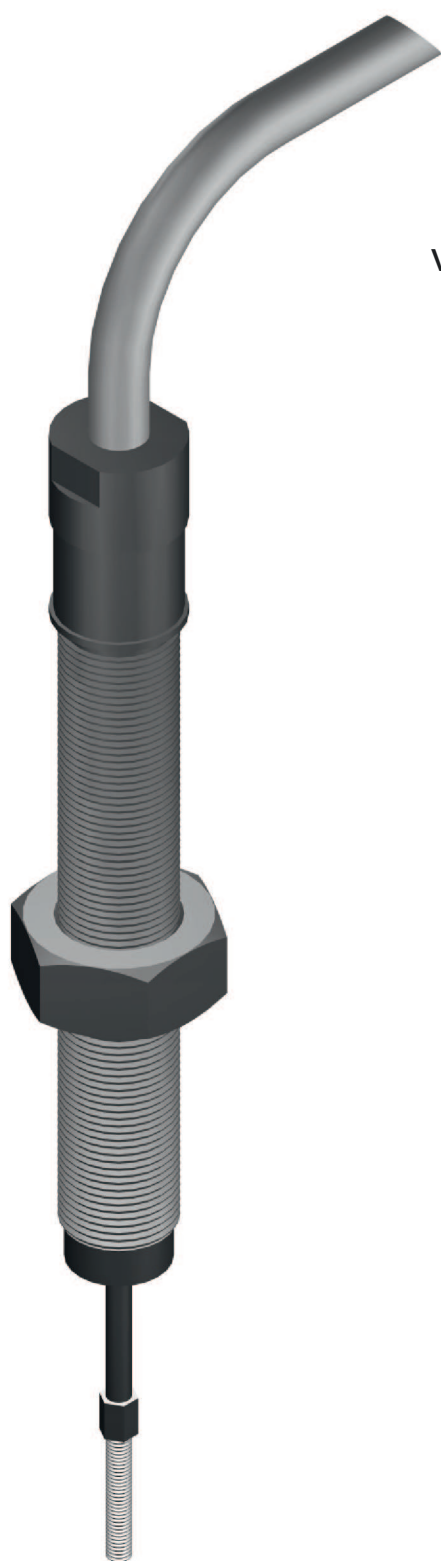


Valve Position Sensor

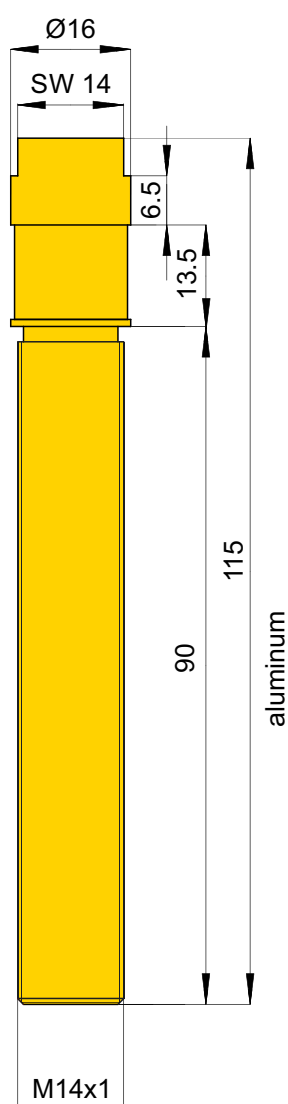
VPS-20-T-M14x1-5.5



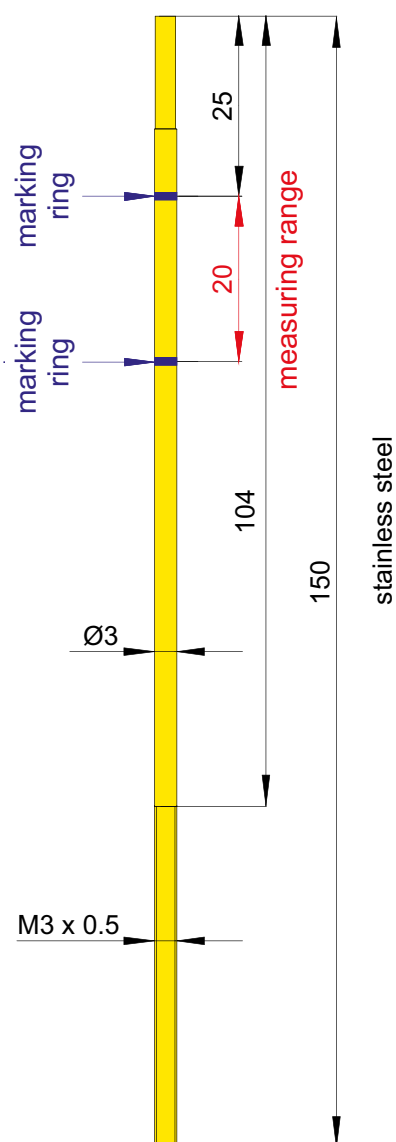
MESSTECHNIK GMBH _{p 05/10}



valve position
sensor head



position
indicator
rod



Valve Position Sensor

VPS-20-T-M14x1-5.5

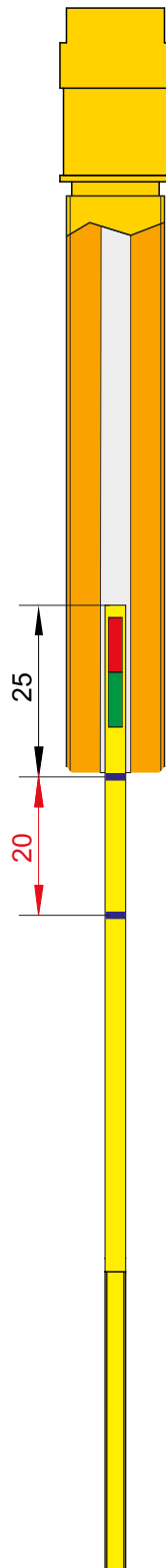


MESSTECHNIK GMBH _{p 06/10}

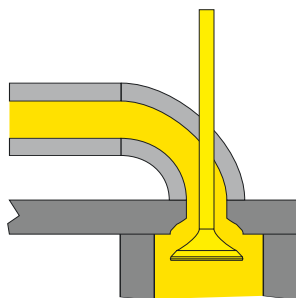
VPS Mounting 1

needle
max. **OUT** position = 10V

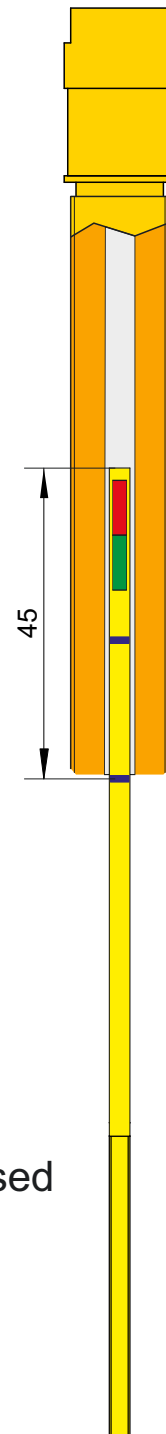
sensitivity 500 mV/mm



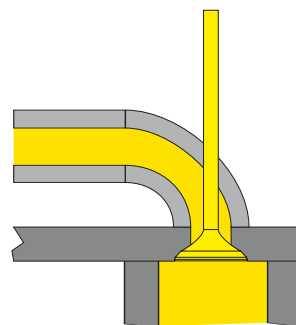
valve open



needle
max. **IN** position = 0V



valve closed



Valve Position Sensor

VPS-20-T-M14x1-5.5



MESSTECHNIK GMBH _{p 07/10}

VPS Mounting 2

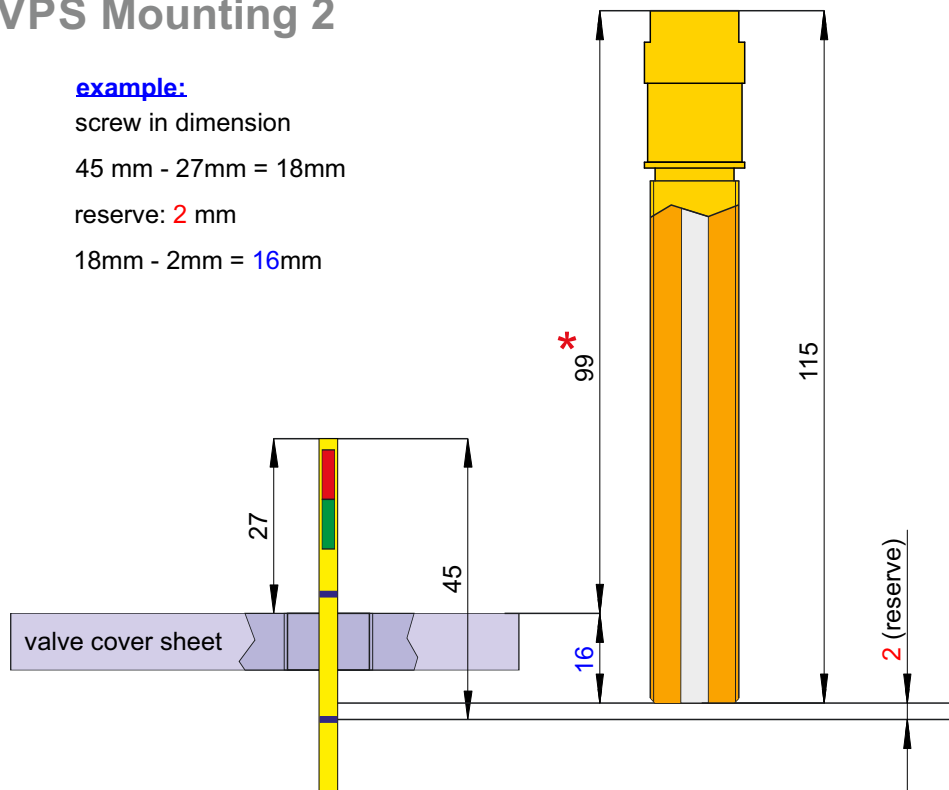
example:

screw in dimension

45 mm - 27mm = 18mm

reserve: 2 mm

18mm - 2mm = 16mm

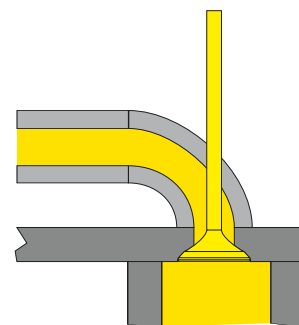


*

adjust to about 1 ... 2 V signal output

hex nut M3 x 0.5
wrench size 5.5

valve closed



Valve Position Sensor

VPS-20-T-M14x1-5.5



MESSTECHNIK GMBH _{p 08/10}

VPS Mounting 3

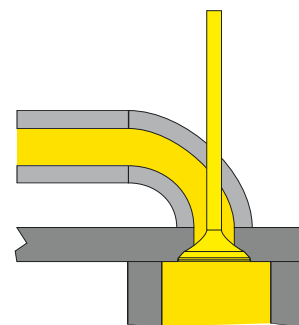
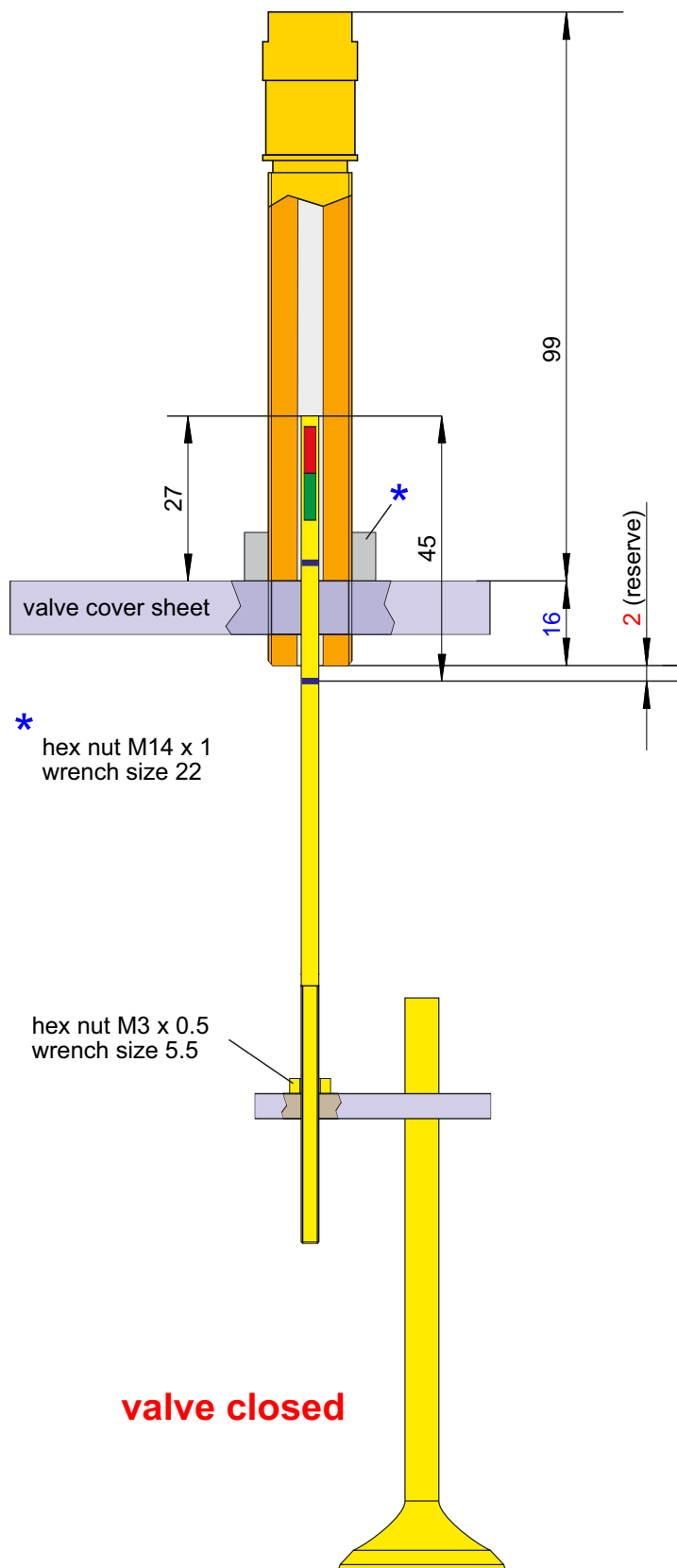
example:

screw in dimension

$45\text{ mm} - 27\text{ mm} = 18\text{ mm}$

reserve: **2** mm

$18\text{ mm} - 2\text{ mm} = 16\text{ mm}$

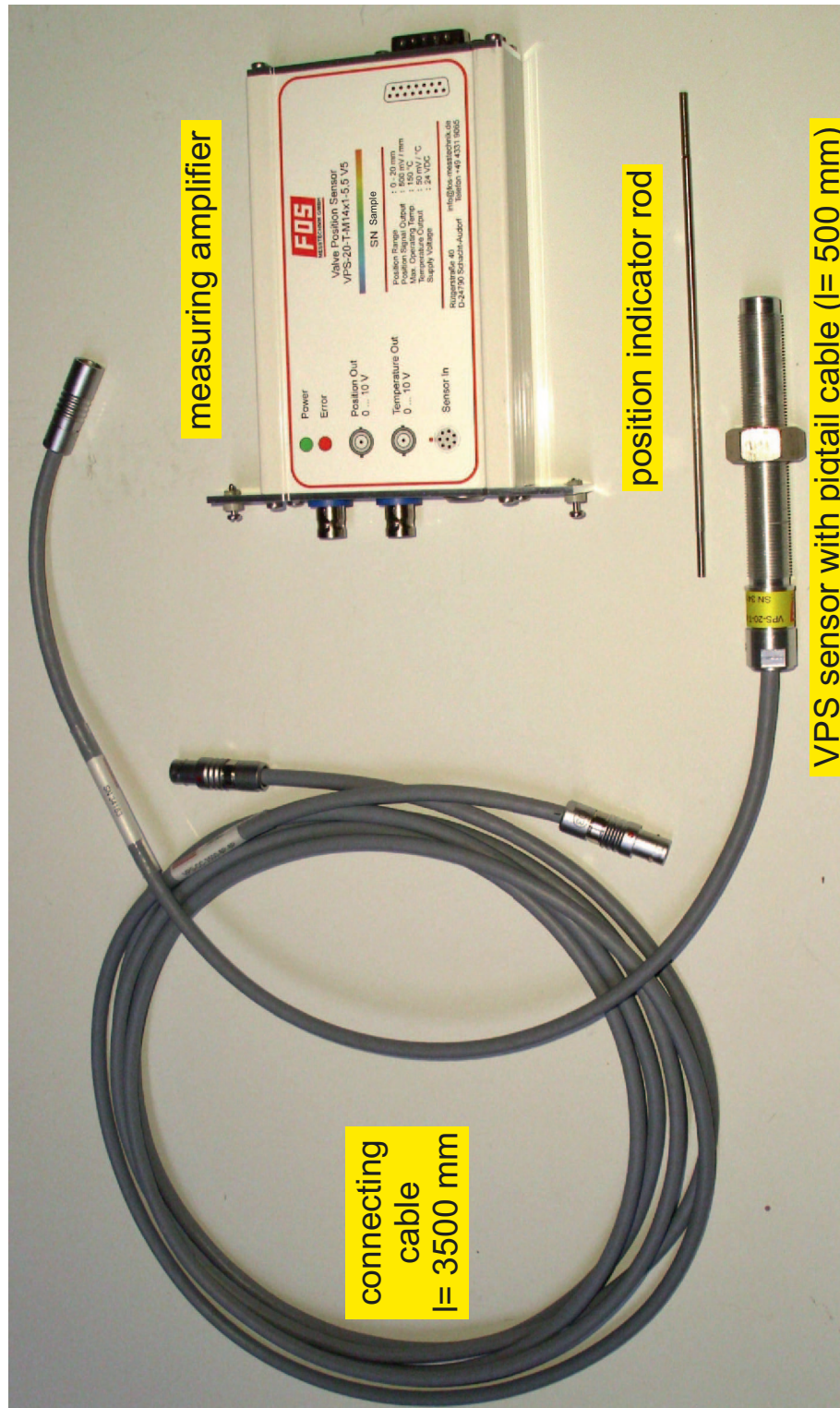


Valve Position Sensor

VPS-20-T-M14x1-5.5



MESSTECHNIK GMBH _{p 09/10}



measuring amplifier

position indicator rod

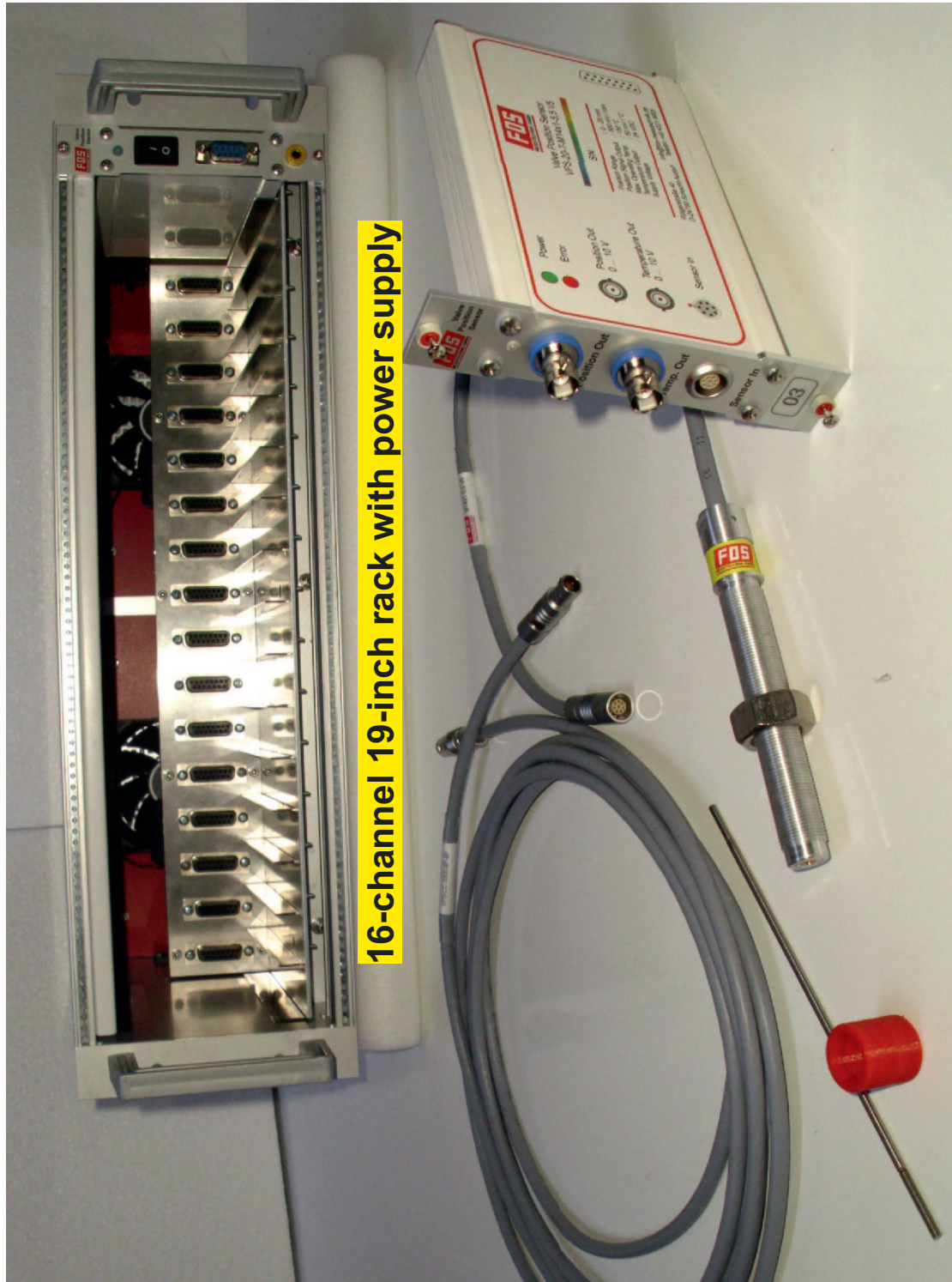
VPS sensor with pigtail cable (l= 500 mm)

connecting
cable
l= 3500 mm

VPS-20-T-M14x1-5.5



MESSTECHNIK GMBH *p 10/10*



16-channel 19-inch rack with power supply