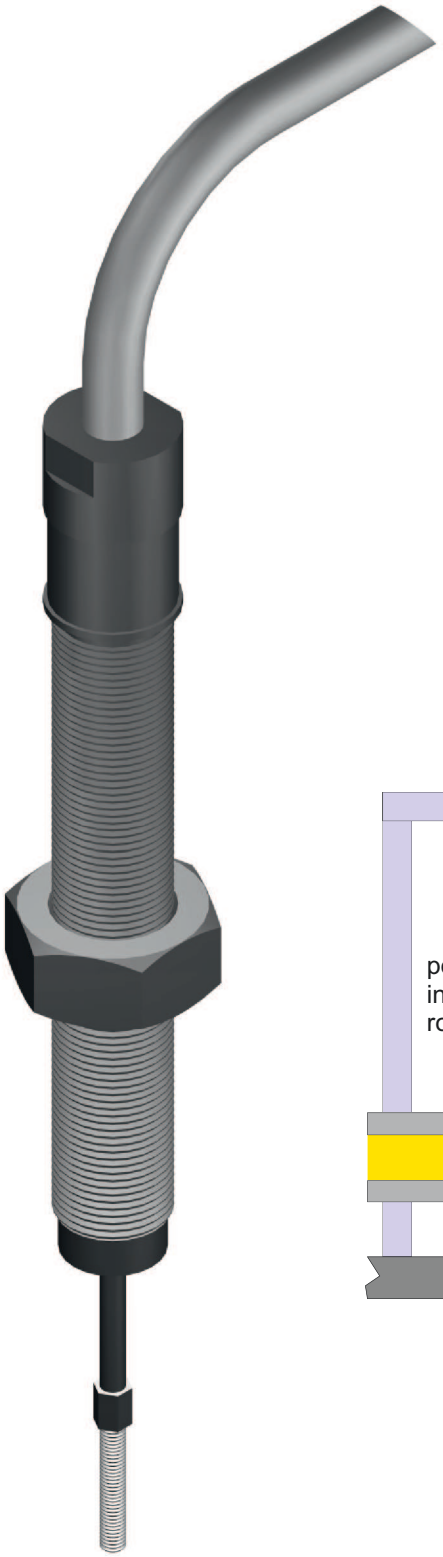
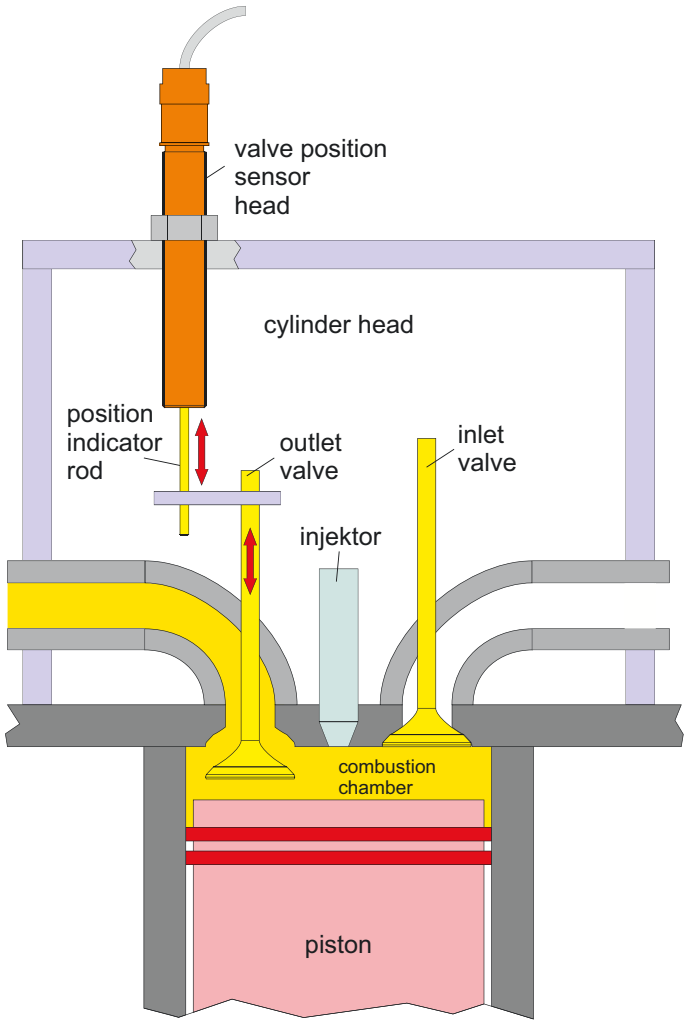
MESSTECHNIK GMBH p 01/10

# Valve Position Sensor

## VPS-20-T-M14x1-5.5





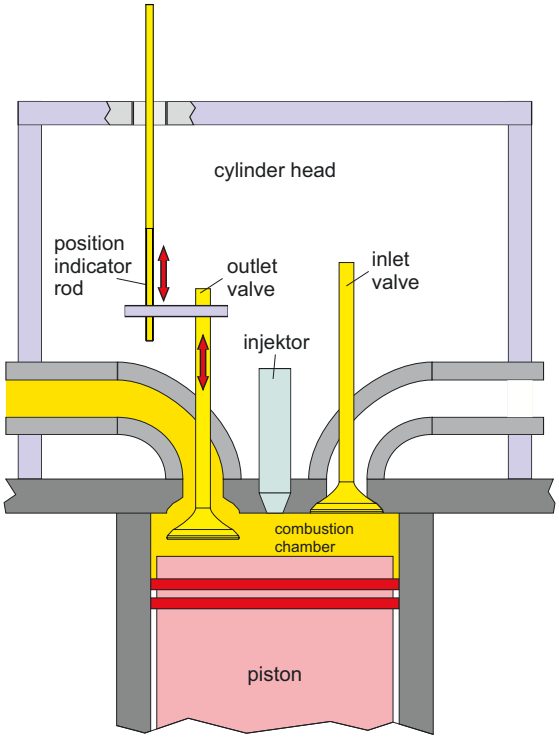

05.03.2026

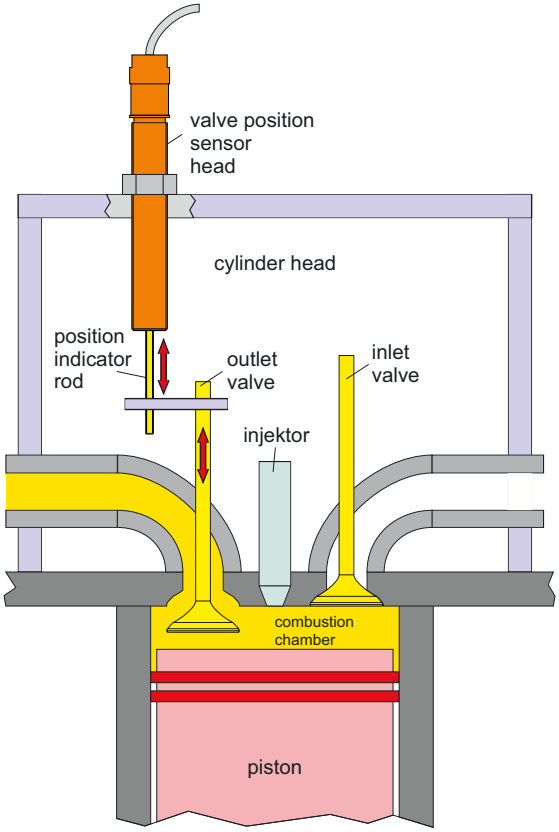
FOS Messtechnik GmbH
Germany
Ruetgersstrasse 40
D-24790 Schacht-Audorf
www.fos-messtechnik.de
Telefon: +49 4331 9065
Telefax: +49 4331 9066

# Valve Position Sensor

## VPS-20-T-M14x1-5.5

MESSTECHNIK GMBH*p 02/10*



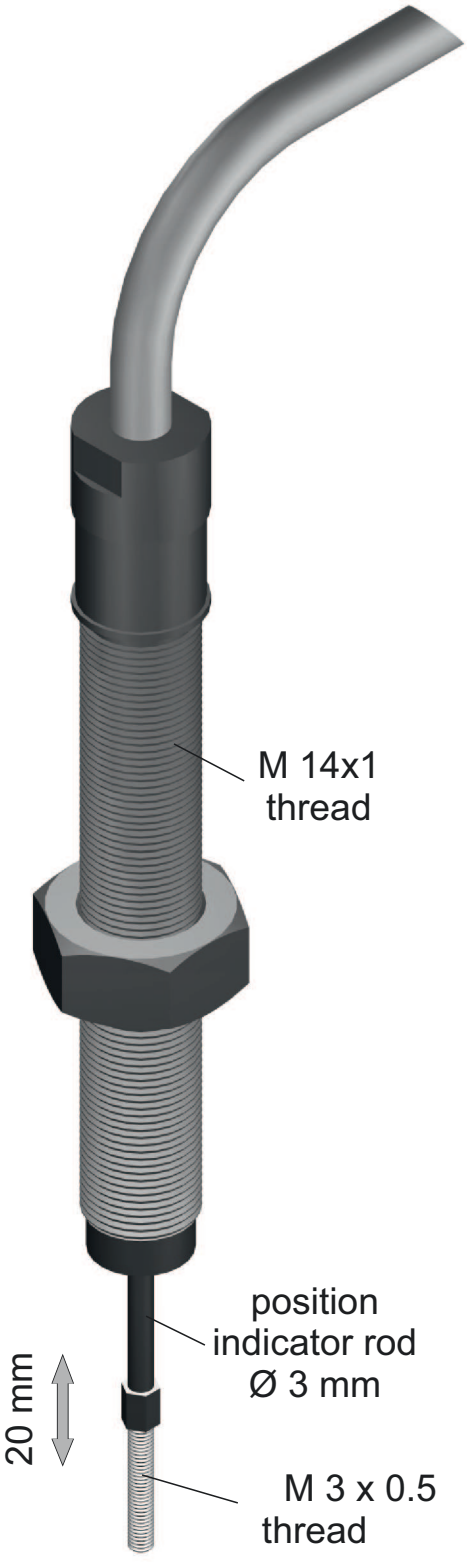




*FOS Messtechnik GmbH*
*Germany*
*Ruetgersstrasse 40*
*D-24790 Schacht-Audorf*
*www.fos-messtechnik.de*
*Telefon: +49 4331 9065*
*Telefax: +49 4331 9066*

# Valve Position Sensor

VPS-20-T-M14x1-5.5

FOS MESSTECHNIK GMBH p 03/10




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


FOS Messtechnik GmbH
Germany

Ruetgersstrasse 40
D-24790 Schacht-Audorf

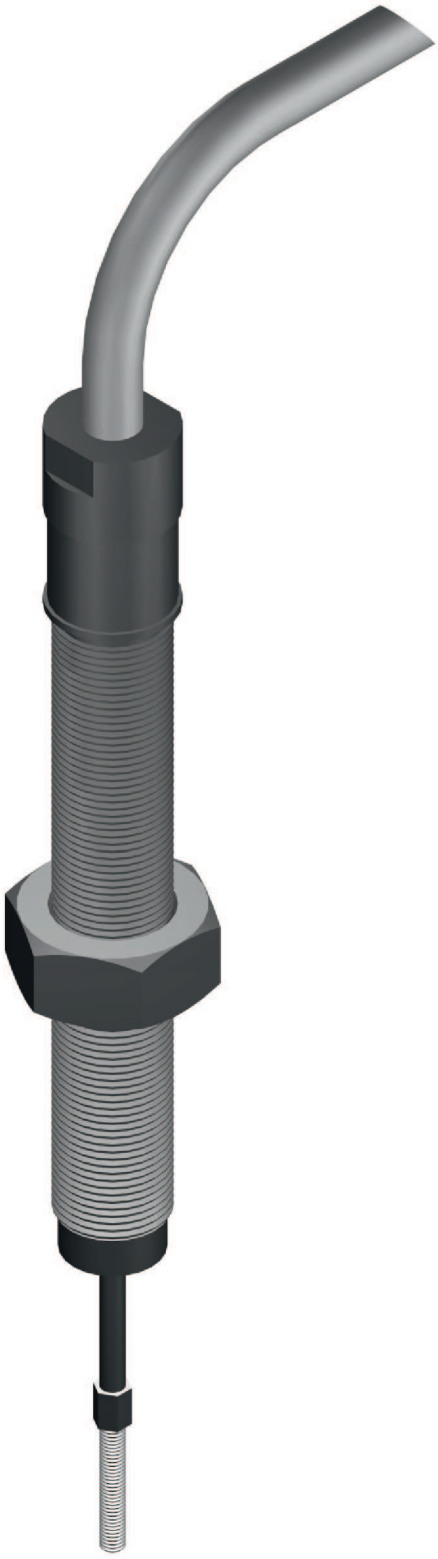
www.fos-messtechnik.de

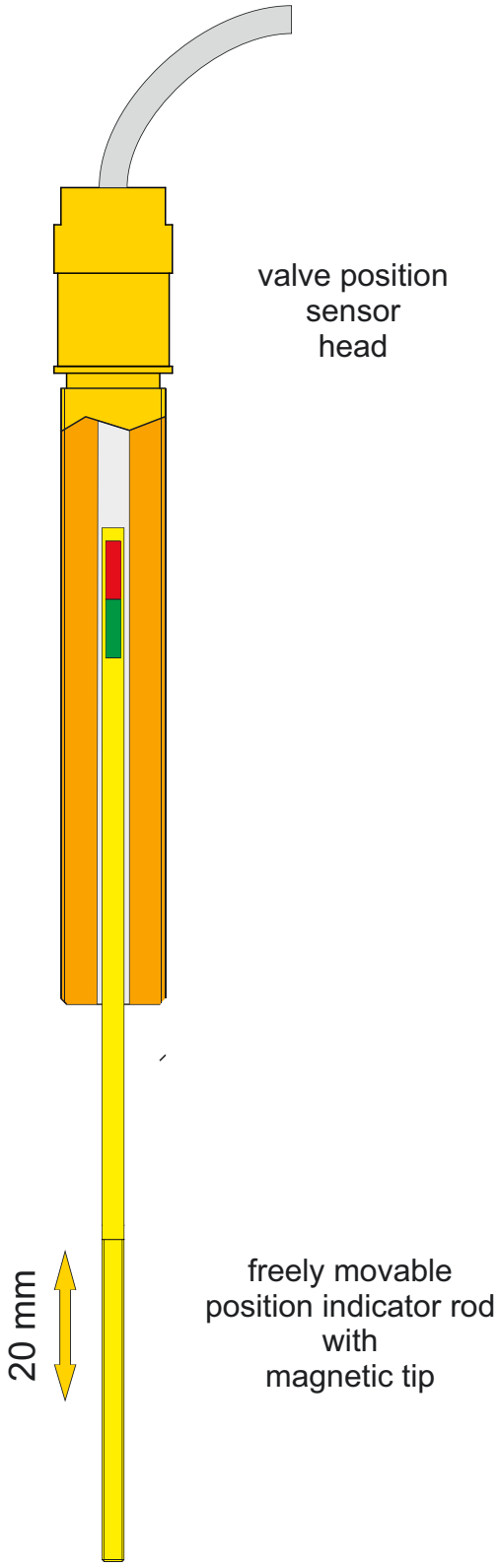
Telefon: +49 4331 9065
Telefax: +49 4331 9066

# Valve Position Sensor

VPS-20-T-M14x1-5.5

FOS MESSTECHNIK GMBH p 04/10






FOS Messtechnik GmbH
Germany

Ruetgersstrasse 40
D-24790 Schacht-Audorf

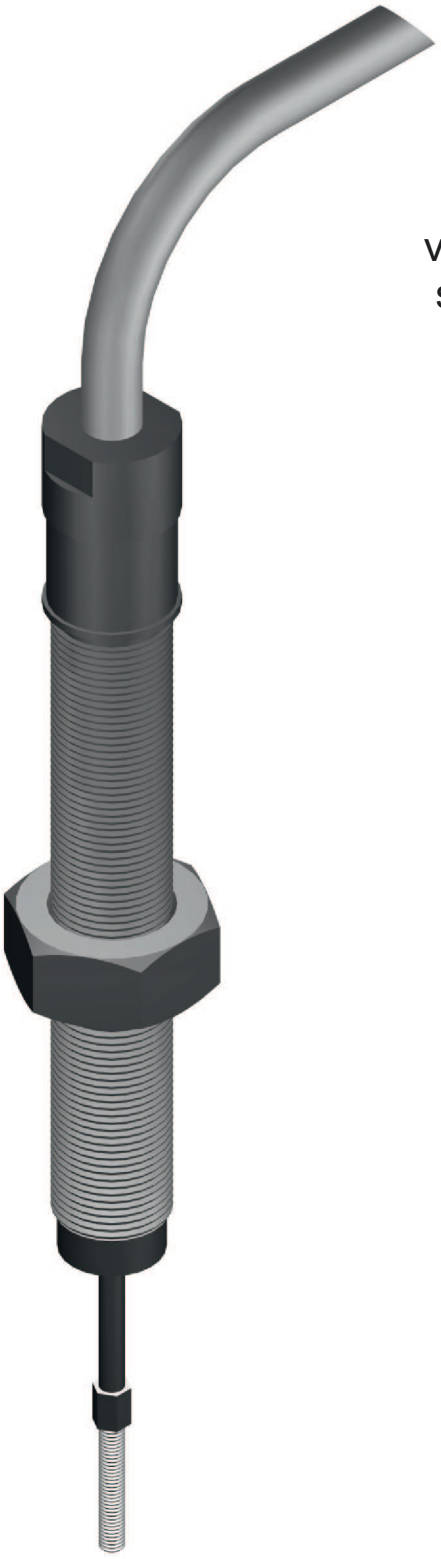
www.fos-messtechnik.de

Telefon: +49 4331 9065
Telefax: +49 4331 9066

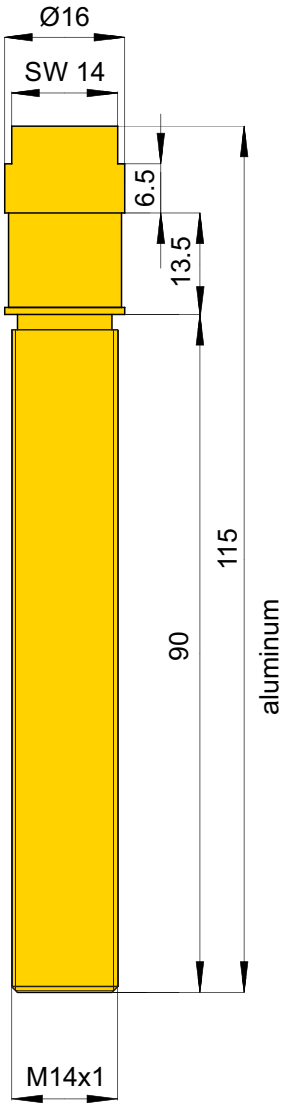
# Valve Position Sensor

**VPS-20-T-M14x1-5.5**

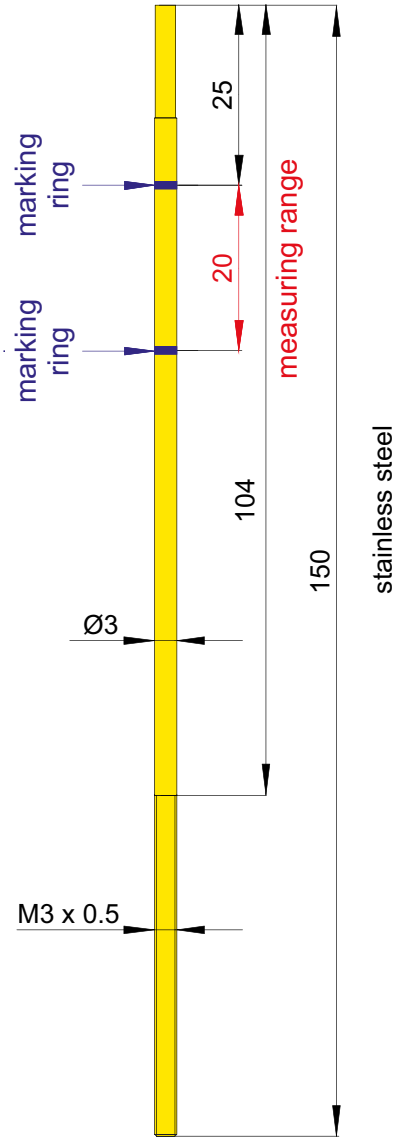
FOS MESSTECHNIK GMBH p 05/10



valve position sensor head




position indicator rod





FOS Messtechnik GmbH
Germany

Ruetgersstrasse 40
D-24790 Schacht-Audorf

www.fos-messtechnik.de

Telefon: +49 4331 9065
Telefax: +49 4331 9066

# Valve Position Sensor

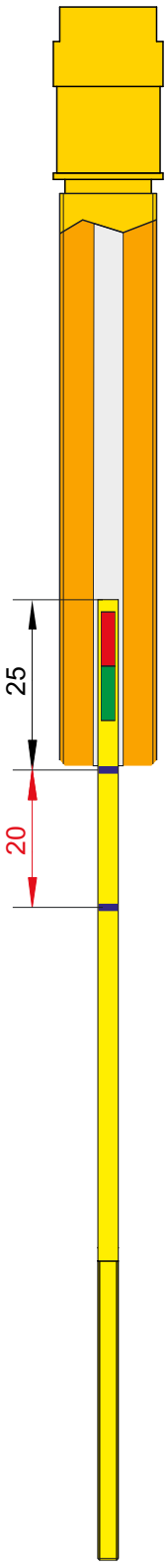
VPS-20-T-M14x1-5.5

MESSTECHNIK GMBH p 06/10

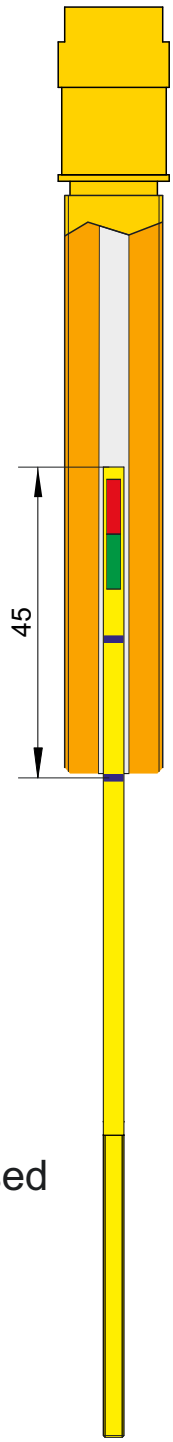
## VPS Mounting 1

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

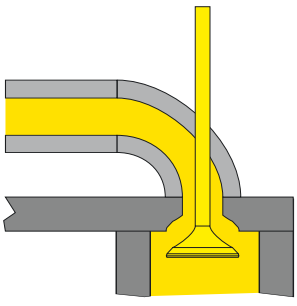
sensitivity 500 mV/mm



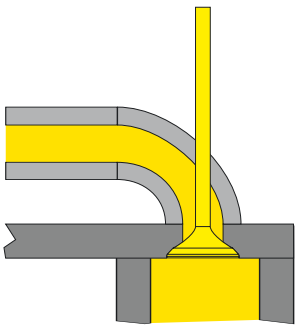

needle
max. **IN** position = 0V




valve open



valve closed



FOS Messtechnik GmbH
Germany

Ruetgersstrasse 40
D-24790 Schacht-Audorf

www.fos-messtechnik.de

Telefon: +49 4331 9065
Telefax: +49 4331 9066

# Valve Position Sensor

VPS-20-T-M14x1-5.5

MESSTECHNIK GMBH p 07/10

## VPS Mounting 2

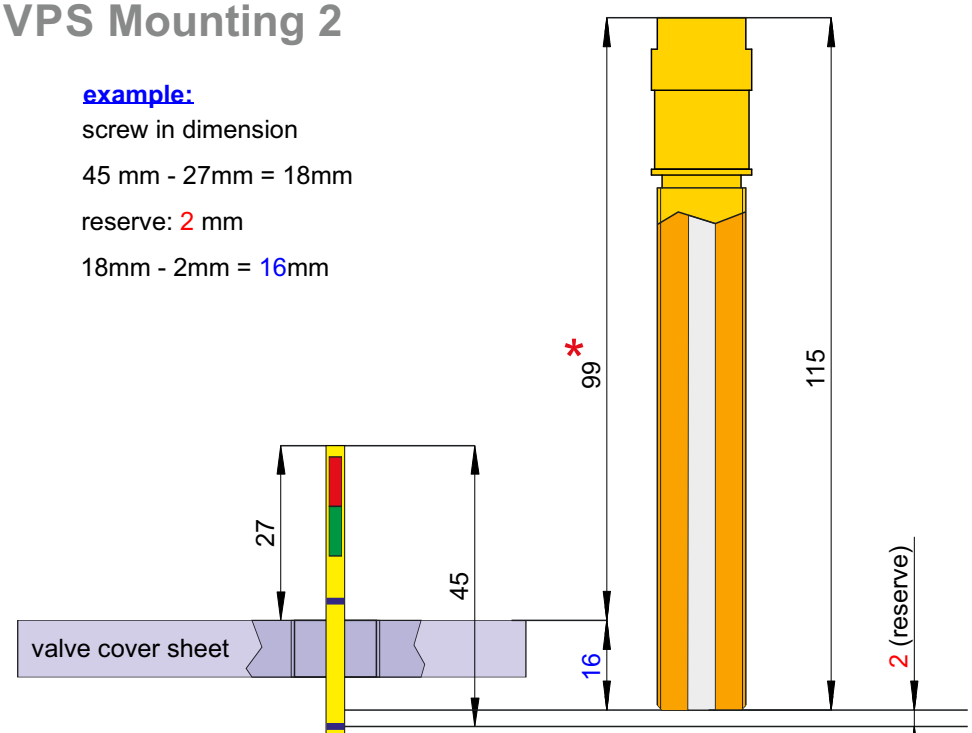
**example:**

screw in dimension

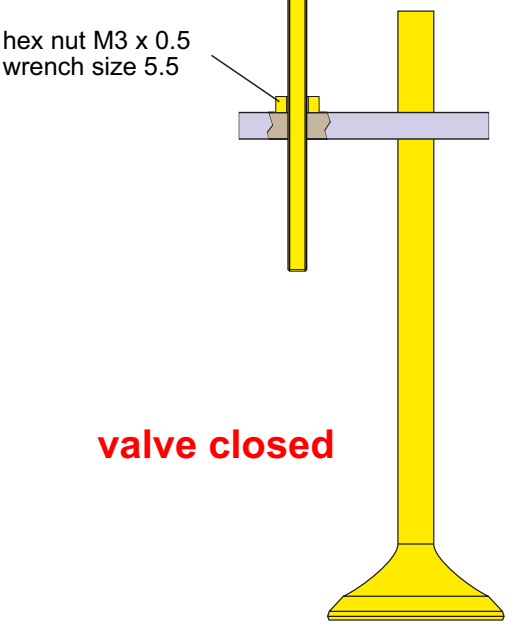
45 mm - 27mm = 18mm

reserve: 2 mm

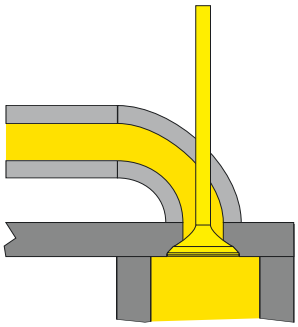
18mm - 2mm = 16mm




* adjust to about 1 ... 2 V signal output




**valve closed**




FOS Messtechnik GmbH
Germany

Ruetgersstrasse 40
D-24790 Schacht-Audorf

www.fos-messtechnik.de

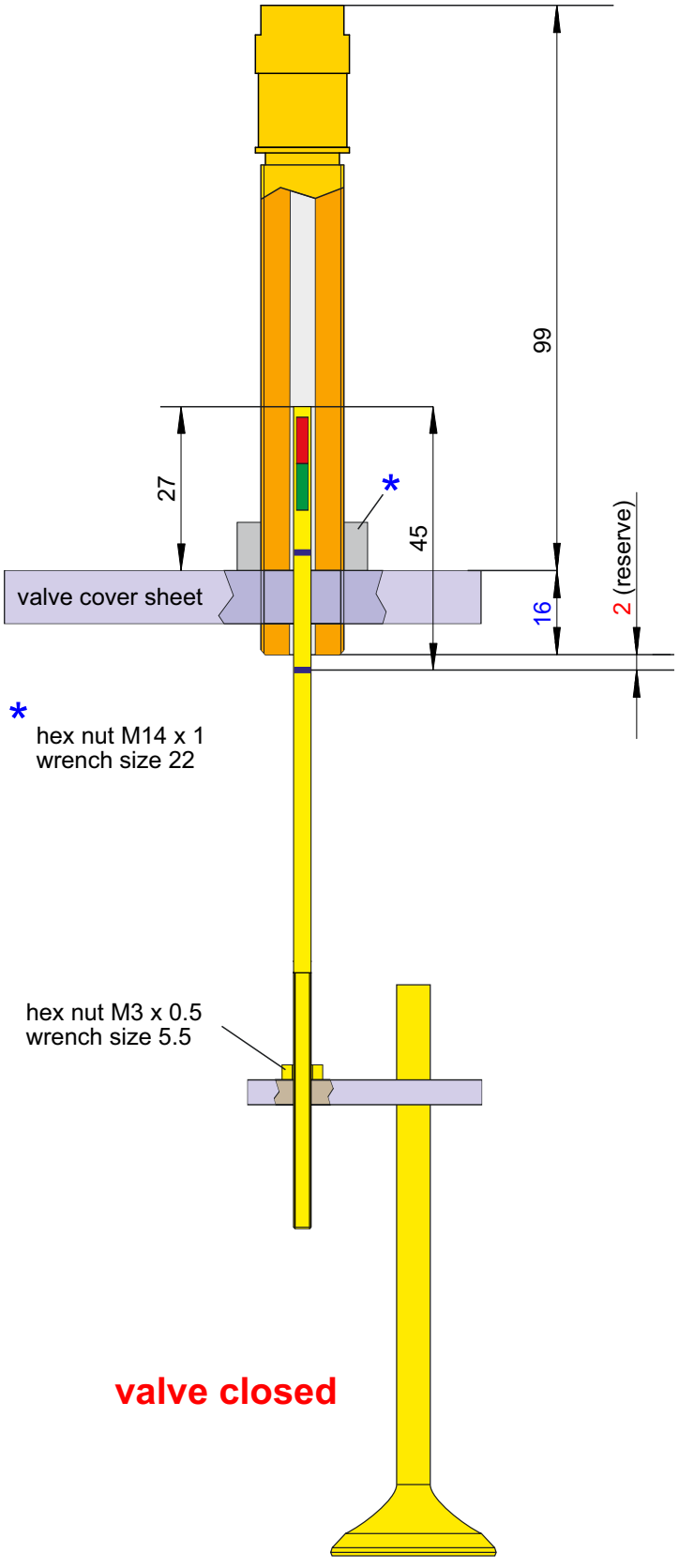
Telefon: +49 4331 9065
Telefax: +49 4331 9066

# Valve Position Sensor

VPS-20-T-M14x1-5.5

MESSTECHNIK GMBH p 08/10

## VPS Mounting 3



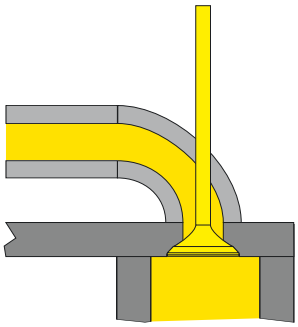

**example:**

screw in dimension

45 mm - 27mm = 18mm

reserve: 2 mm

18mm - 2mm = 16mm




FOS Messtechnik GmbH
Germany

Ruetgersstrasse 40
D-24790 Schacht-Audorf

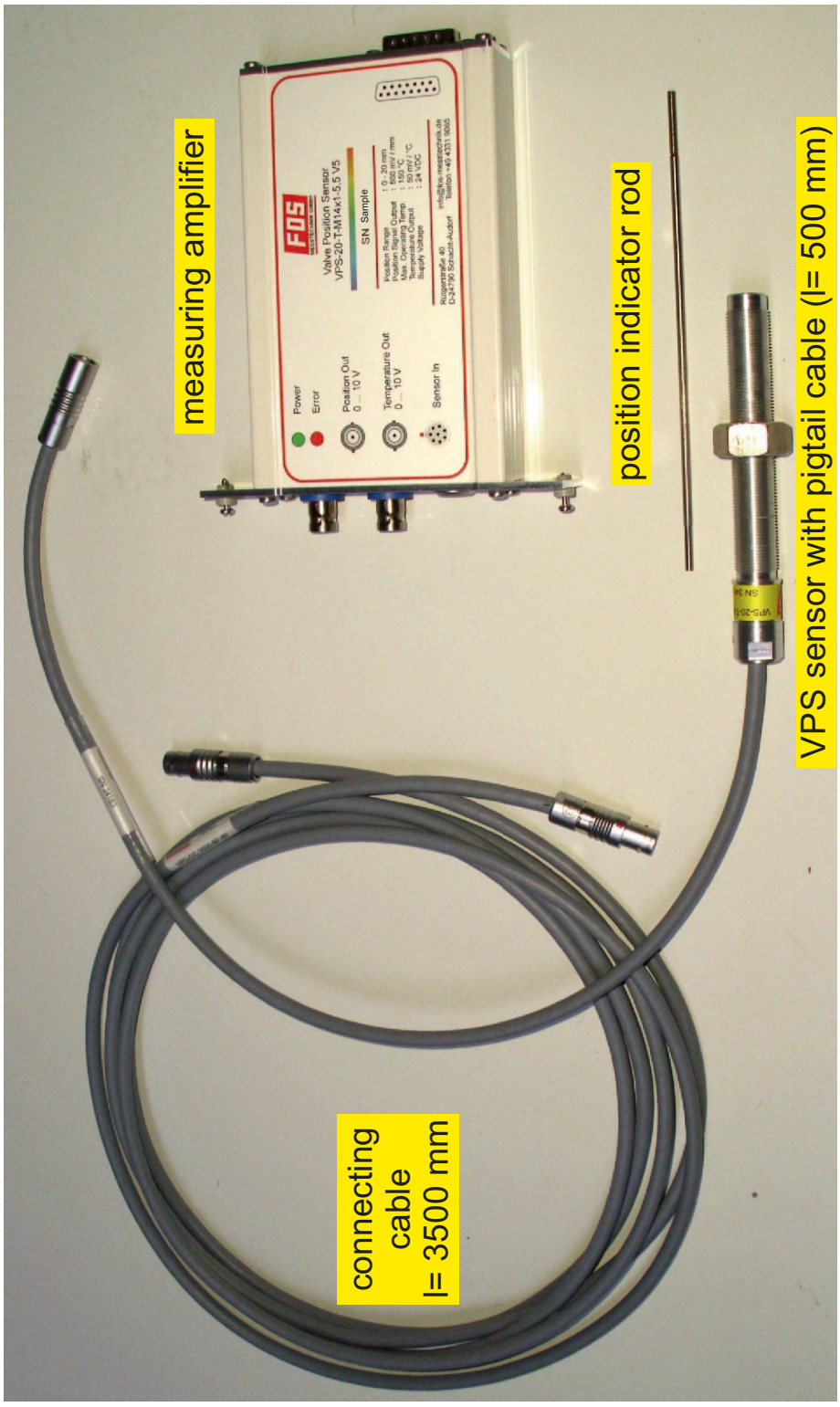
www.fos-messtechnik.de

Telefon: +49 4331 9065
Telefax: +49 4331 9066

# Valve Position Sensor

## VPS-20-T-M14x1-5.5

MESSTECHNIK GMBH *p 09/10*



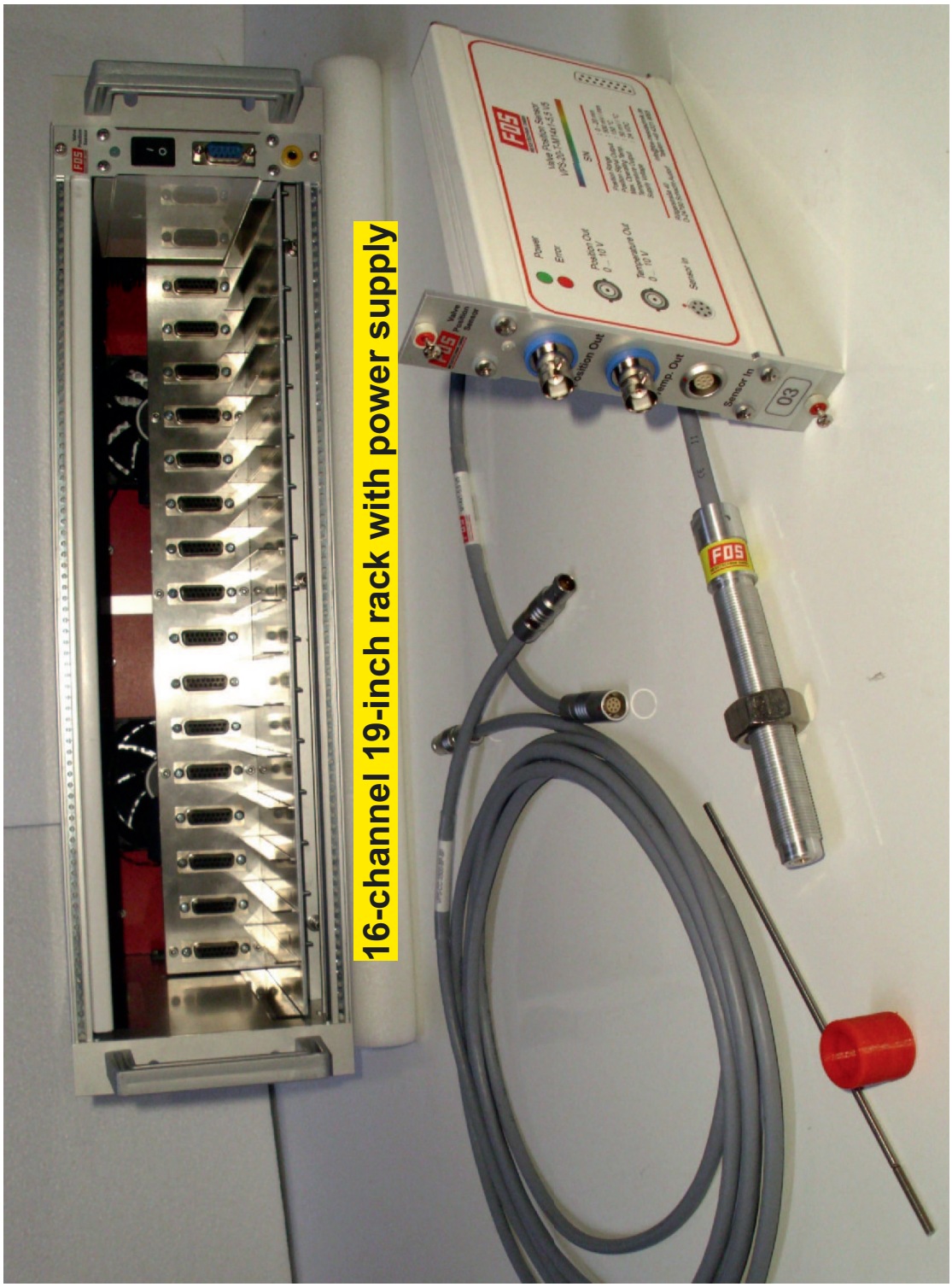

*FOS Messtechnik GmbH*
*Germany*
*Ruetgersstrasse 40*
*D-24790 Schacht-Audorf*
*www.fos-messtechnik.de*
*Telefon: +49 4331 9065*
*Telefax: +49 4331 9066*

# Valve Position Sensor

VPS-20-T-M14x1-5.5

MESSTECHNIK GMBH






FOS Messtechnik GmbH
Germany

Ruetgersstrasse 40
D-24790 Schacht-Audorf

www.fos-messtechnik.de

Telefon: +49 4331 9065
Telefax: +49 4331 9066