

CONTACT GAUGES KI 63, KR 63 - NPT 1/4"



**Contact gauge,
with inductive contact (KI) or mechanical reed contact (KR),
for visual and acoustic warning of low gas supply pressure,
to monitor the line pressure,
nominal pressure maximal 200 bar**

SPECIAL FEATURES

- Construction conforms to safety regulations the BG- chemical industry
- Switching point freely adjustable
- One or two switching point models
- Pressure display and signal transmission for recording measured data
- Ex-protection is possible in conjunction with corresponding signal box SK 60

DESCRIPTION

These pressure measuring instruments have a robust chrome nickel steel housing in safety version in accordance with DIN 16006. When the gas cylinder nears empty and by sinking cylinder pressure an inductive contact switch is activated (KI 63) or respectively a mechanical reed contact (KR 63). The switch point, i.e. the pressure level at which the signal should be triggered, is freely adjustable. Both the gauge KI 63 as well as KR 63 are available with one or two switch points and with different contact types. To set the switch point the pressure level marking is adjusted by turning the bayonetting to the left and removing the viewing glass. The desired value for the switching point is obtained by adjusting the red marking on the outside scale edge. Afterwards the viewing glass is replaced using the bayonet ring.

TECHNICAL DATA

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|----------------------|---|
| Measuring element: | Bourbon tube |
| Diameter: | 63 mm |
| Design: | Chemical-safety version |
| Material: | Housing: SS 1.4301, parts in contact with the measuring medium: SS 1.4571 |
| Accuracy: | Class 1.6 |
| Working temperature: | -25°C to +70°C / -13 °F to 158 °F |
| Display range: | see gauge scale |
| Threshold: | Freely adjustable over the whole scale range |
| Gas suitability: | All gases |
| Connection: | NPT 1/4"m or VCR 1/4" f |

KI 63

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|------------------------|---|
| Contact: | inductive contact accord. to NAMUR |
| Connection: | also G 1/4"m for Acetylene: KI 63-40 I1 |
| Protection class: | II 2 G EEx ia IIC T6, PTB 99 ATEX 2219 X |
| Switching hysteresis : | max 2.5% |
| Control behavior : | Contact type 1 (I1), contact of low impedance with increasing pressure Contact type 2 (I2), contact of high impedance with increasing pressure |
| Dimensions (Øxdxh): | 63x58x90 mm |

KR 63

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|-------------------------|--|
| Contact: | Reed contact, magnet. actuated inert gas contact |
| Applied load: | 10 W / 100 V / 0.5 A |
| Switching hysteresis: | max 2.5% |
| Control behavior KR 63: | Contact type 1 (R1), contact is interrupted by decreasing pressure Contact type 2 (R2), Contact is interrupted by increasing pressure |
| Minium switching margin | |
| K1/K2 (KR 63-2): | 35% of the display range |
| Dimensions (Øxdxh): | 63x50x90 mm |

| Art.-Nr. | Type / contact type | Material | Display range | |
|------------------|---------------------|----------|---------------|-------------|
| | | | bar | psi |
| H28945601 | KI 63- 15 / i2 | SS | -1 – 15 | -14,5 – 220 |
| H28940901 | KI 63- 100 / i1 | SS | 0 – 100 | 0 – 145 |
| H28941101 | KI 63- 250 / i1 | SS | 0 – 250 | 0 – 3600 |
| H28900801 | KR 63-15 / r2 | SS | -1 – 15 | -14,5– 220 |
| H28974801 | KR 63-100 / r1 | SS | 0 – 100 | 0 – 1450 |
| H28974101 | KR 63- 250 / r1 | SS | 0 – 250 | 0 – 3600 |