

Pressure Transducer

| Description | Pressure range | Connection | Device | Seite |
|---|--------------------------|---|--------|--------------|
| low-cost, miniature | 0 ... 6 / 600 bar | G $\frac{1}{4}$ m | D0 | 13.02 |
| for corrosive media | 0 ... 0.35 / 35 bar | G $\frac{1}{8}$ m - G $\frac{3}{8}$ m | D9 | 13.03 |
| for compressed air or liquids | 0 ... -1 / 100 bar | G $\frac{1}{8}$ m - G $\frac{3}{8}$ m | D8 | 13.04 |
| for non-corrosive media | 0 ... 10 mbar / 5 bar | G $\frac{1}{8}$ m - G $\frac{3}{8}$ m | D7 | 13.05 |
| submersible sensor, flush-mounted diaphragm | 0 ... -1 / 350 bar | G $\frac{1}{4}$ m and G $\frac{1}{2}$ m | D6 | 13.06 |
| for differential pressure | 0 ... 1 mbar / 10 bar | G $\frac{1}{8}$ | D5 | 13.07 |
| for high temperature, accurate to 0.1% | 0 ... 50 mbar / 1000 bar | G $\frac{1}{4}$ m and G $\frac{1}{2}$ m | DA | 13.08 |



13

Pressure Transducer

Transducer



13

Description The operating pressure is converted into a proportional, electrical signal by a air-tight thin film measuring cell. After amplification the signal is monitored as an analogue voltage or current signal.

Media compressed air, non-corrosive gases or liquids, compatible with ceramic and NBR/Buna-N

Supply voltage 14-36 V DC, residual ripple 5%, with reverse voltage protection, max. current consumption 1 mA

Electrical connector plug M12x1, 4-pin

Output signal 4-20 mA: apparent ohmic resistance max. (supply voltage - 8 V) / 20 mA
0-10 V: $R_A > 5k\Omega$

Accuracy < 1.0% FS for 6 and 10 bar, < 2.0% for 16 bar including non-linearity, hysteresis, non-repeatability, zero point and full scale error

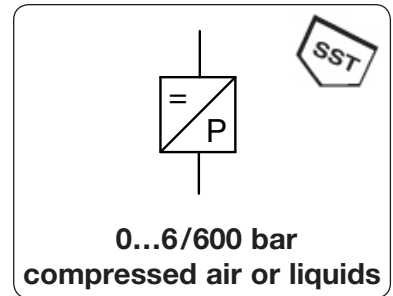
Non-linearity < 0.4% FS (BSFL)

Response time < 2 ms

Long-term stability < 0.3% FS typ.

Temperature range Medium: -40 °C to 125 °C / - 40 °F to 257 °F Rated temperature range: 0 °C to 80 °C / 32 °F to 176 °F
Ambience: -40 °C to 100 °C / - 40 °F to 212 °F

Material Body: PBT fiberglass-enforced plastic material, metal pod inside the case
Measuring cell: thin film, hermetically welded



| Dimensions | | Accuracy | Over-pressure | Measurement | Order number | |
|------------|----|----------|---------------|-------------|-------------------|--------|
| B | Ø | % FS | max. bar | range | for outlet signal | |
| mm | mm | | | bar | 4-20 mA | 0-10 V |

| for compressed air or liquids | | | G¼/a, thin film elec. connectr M12x1 | D0A | D0V | |
|-------------------------------|----|---|--------------------------------------|-----------|---------|---------|
| 49 | 20 | 1 | 20 | 0 ... 6 | D0A- 06 | D0V- 06 |
| | | 1 | 20 | 0 ... 10 | D0A- 10 | D0V- 10 |
| | | 2 | 32 | 0 ... 16 | D0A- 16 | D0V- 16 |
| | | 2 | 50 | 0 ... 25 | D0A- 25 | D0V- 25 |
| | | 2 | 80 | 0 ... 40 | D0A- 40 | D0V- 40 |
| | | 2 | 120 | 0 ... 60 | D0A- 60 | D0V- 60 |
| | | 2 | 200 | 0 ... 100 | D0A-100 | D0V-100 |
| | | 2 | 320 | 0 ... 160 | D0A-160 | D0V-160 |
| | | 2 | 500 | 0 ... 250 | D0A-250 | D0V-250 |
| | | 2 | 800 | 0 ... 400 | D0A-400 | D0V-400 |
| | | 2 | 1200 | 0 ... 600 | D0A-600 | D0V-600 |



D0

Special options, add the appropriate letter or number

deviant measurement range to be indicated on order D0 . - XX

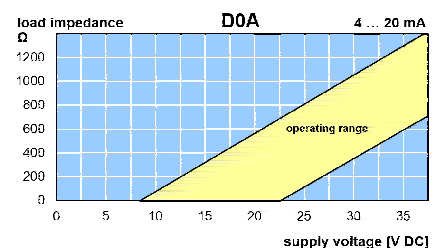
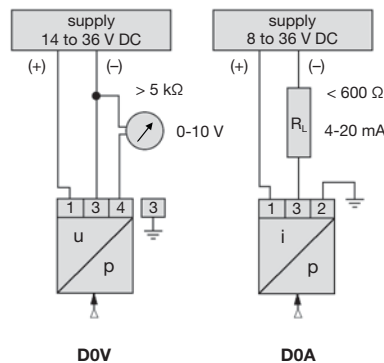
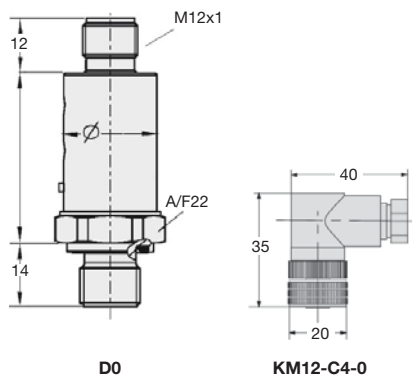
¼" NPT connection thread D0 2



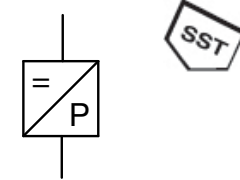
KM12-C4-0

Accessories

| | | | | | |
|-----------------------|--------|----------|------------------|---------|------------------|
| coupling socket 4-pin | M12x1, | straight | KM12-A4-0 | angular | KM12-C4-0 |
| socket with cable | 2 m, | straight | KM12-A4-2 | angular | KM12-C4-2 |
| | 5 m, | straight | KM12-A4-5 | angular | KM12-C4-5 |



| | | |
|--------------------------------|--|--|
| Description | The operating pressure is converted into a proportional, electrical signal by a silicon pressure transducer. After amplification the signal is monitored as an analogue voltage or current signal. | |
| Media | all media compatible with stainless steel 316L, material no. 1.4404 | |
| Supply voltage | 12...32 V DC, residual ripple 5%, reverse voltage protection, max. current consumption 4 mA | |
| Electrical connection | plug M12x1, 4-pins, with coupling socket | |
| Outlet signal | 4...20 mA: max. power consumption 260 mW | 0...10 V: max. power consumption 50 mW |
| Linearity/Hysteresis | < 0.1 % FS typ. | |
| Repeatability | < 0.1 % FS typ. | |
| Long-term stability | < 0.1 % FS typ. | |
| Temperature sensitivity | < 0.03% FS typical per °C / K at 0 °C to 70 °C / 32 °F to 158 °F | |
| Response time | 5 ms at 10...90% of measuring range | |
| Vibration sensitivity | 10 g at 5...500 Hz | |
| Mounting position | any | |
| Material | Body/Diaphragm: stainless steel 316L, material no. 1.4404 | |
| | Shock resistance | 50 g (11 ms) |
| | Protection class | IP 67 according to DIN EN60529 |
| | Temperature range | -20 °C to 85 °C / -13 °F to 185 °F |



0...35 bar, accurate to 0.3% corrosive media

| Dimensions | | Over-pressure | Measurement range | Order number | |
|------------|---|---------------|-------------------|--------------|--------|
| B | Ø | max. bar | mbar/bar | 4-20 mA | 0-10 V |

| For corrosive media | | G $\frac{1}{4}$ male, SST, relative pressure, with angular coupling socket | D9A | D9V | |
|---------------------|------|--|--------------|--------|--------|
| 65 | 21,8 | 1 | 0...350 mbar | D9A-C3 | D9V-C3 |
| | | 2 | 0... 1 bar | D9A-01 | D9V-01 |
| | | 4 | 0... 2 bar | D9A-02 | D9V-02 |
| | | 10 | 0... 5 bar | D9A-05 | D9V-05 |
| | | 20 | 0... 10 bar | D9A-10 | D9V-10 |
| | | 32 | 0... 16 bar | D9A-16 | D9V-16 |
| | | 40 | 0... 20 bar | D9A-20 | D9V-20 |
| | | 70 | 0... 35 bar | D9A-35 | D9V-35 |



D9

Special options, add the appropriate letter or number

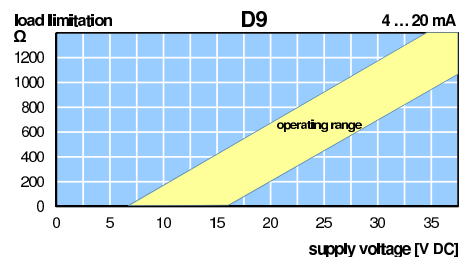
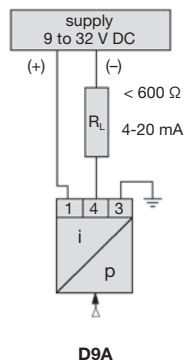
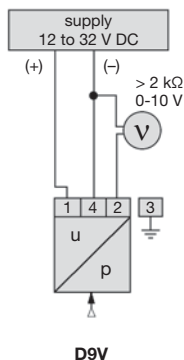
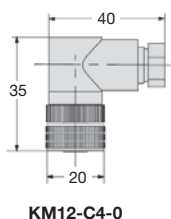
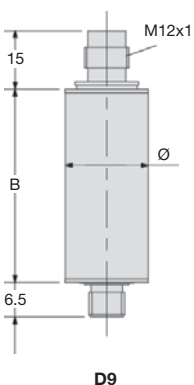
| | | |
|---------------------------|---|---------|
| deviant measurement range | to be indicated on order | D9.-XX |
| absolute pressure range | lowest measurement range 0...1 bar _{abs} | D9...A |
| G $\frac{1}{4}$ male | connection thread | D9...02 |
| G $\frac{3}{8}$ male | connection thread | D9...03 |
| for oxygen | specially cleaned | D9...15 |



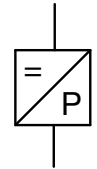
KM12-C4-0

Accessories

| | | | | |
|-----------------------|-----------------|-----------|---------|-----------|
| coupling socket 4-pin | M12x1, straight | KM12-A4-0 | angular | KM12-C4-0 |
| socket with cable | 2 m, straight | KM12-A4-2 | angular | KM12-C4-2 |
| | 5 m, straight | KM12-A4-5 | angular | KM12-C4-5 |



| | | |
|--------------------------------|---|---|
| Description | The operating pressure is converted into a proportional, electrical signal by a ceramics pressure transducer. After amplification the signal is monitored as an analogue voltage or current signal. | |
| Media | compressed air, non-corrosive gases or liquids compatible with ceramics and NBR/Buna-N | |
| Supply voltage | 12...32 V DC, residual ripple 5%, with reverse voltage protection, max. current consumption 4 mA | |
| Electrical connector | plug M12x1, 4-pin, with coupling socket | Protection class IP67 according to DIN EN60529 |
| Output signal | 4...20 mA: max. power consumption 260 mW | 0...10 V: max. power consumption 50 mW |
| Linearity/Hysteresis | < 0.1 % FS typ. < 0.2 % FS | Repeatability < 0.1 % FS typ. < 0.2 % FS |
| Long-term stability | < 0.1 % FS typ. < 0.3 % FS | |
| Temperature sensitivity | < 0.03% FS typ./°C < 0.06% FS/°C (0...70 °C) | |
| Vibration resistance | 10 g at 5...500 Hz | |
| Temperature range | -25 °C to 85 °C / -13 °F to 185 °F | |
| Response time | 5 ms for 10...90% of pressure range | Shock resistance 50 g (11ms) |
| Material | Body: stainless steel 316L, mat. no. 1.4404 Measuring cell: ceramics AL ₂ O ₃ and NBR/Buna-N o-ring | |



**accurate to 0.2%
compressed air or liquids**

| Dimensions | | Over-pressure | Measurement range | Order number for output signal | |
|------------|----|---------------|-------------------|--------------------------------|--------|
| B | Ø | max. bar | bar | 4-20 mA | 0-10 V |
| mm | mm | | | | |

| for compressed air or liquids | | | G½ male, ceramic sensor, with angular coupling socket | D8A 0.2% accurate | D8V |
|-------------------------------|------|-----|---|-------------------|---------|
| 52 | 21.8 | 2 | 0... -1 | D8A- V0 | D8V- V0 |
| | | 2 | -1... 1 | D8A- V1 | D8V- V1 |
| | | 2 | 0... 1 | D8A- 01 | D8V- 01 |
| | | 4 | 0... 2 | D8A- 02 | D8V- 02 |
| | | 10 | 0... 5 | D8A- 05 | D8V- 05 |
| | | 20 | 0... 10 | D8A- 10 | D8V- 10 |
| | | 32 | 0... 16 | D8A- 16 | D8V- 16 |
| | | 40 | 0... 20 | D8A- 20 | D8V- 20 |
| | | 50 | 0... 25 | D8A- 25 | D8V- 25 |
| | | 70 | 0... 35 | D8A- 35 | D8V- 35 |
| | | 100 | 0... 50 | D8A- 50 | D8V- 50 |
| | | 140 | 0... 70 | D8A- 70 | D8V- 70 |
| | | 200 | 0... 100 | D8A-100 | D8V-100 |



D8



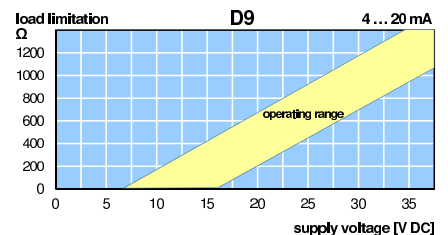
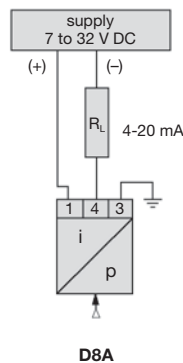
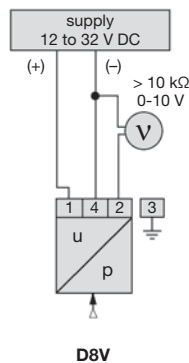
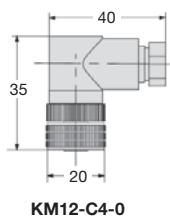
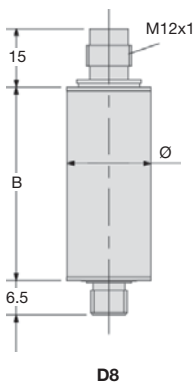
KM12-C4-0

Special options, add the appropriate letter or number

| | | |
|----------------------------------|---|---------|
| deviant measurement range | to be indicated on order | D8...XX |
| absolute pressure range | lowest measurement range 0...1 bar _{abs} | D8...A |
| G¼ male | connection thread | D8...02 |
| G½ male | connection thread | D8...03 |
| for oxygen | specially cleaned, max 40. bar | D8...15 |


Accessories

| | | | | |
|------------------------------|-----------------|------------------|---------|------------------|
| coupling socket 4-pin | M12x1, straight | KM12-A4-0 | angular | KM12-C4-0 |
| socket with cable | 2 m, straight | KM12-A4-2 | angular | KM12-C4-2 |
| | 5 m, straight | KM12-A4-5 | angular | KM12-C4-5 |



Test chart: see chapter "Technical information"


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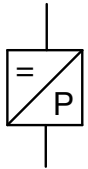
 Order example:
D8A-V0

Miniature Pressure Transducer, Ø 22 mm

D7

| | | |
|--------------------------------|---|---|
| Description | The operating pressure is converted into a proportional, electrical signal by a ceramics pressure transducer. After amplification the signal is monitored as an analogue voltage or current signal. | |
| Media | all non-corrosive media compatible with stainless steel, nylon, silicon, silicone and epoxy | |
| Supply voltage | 12...32 V DC, residual ripple 5%, with reverse voltage protection, max. current consumption 4 mA | |
| Electrical connector | plug M12x1, 4-pin, with coupling socket | Protection class IP67 according to DIN EN60529 |
| Output signal | 4...20 mA: max. power consumption 260 mW | 0...10 V: max. power consumption 50 mW |
| Linearity/Hysteresis | < 0.2 % FS typ. < 0.5 % FS | |
| Repeatability | < 0.2 % FS typ. < 0.3 % FS | |
| Long-term stability | < 0.5 % FS typ. < 1 % FS | |
| Temperature sensitivity | < 0.03% FS typ./°C < 0.08% FS/°C (0...50 °C) | |
| Vibration resistance | 2 g at 5...500 Hz | |
| Temperature range | -25 °C to 85 °C / -13 °F to 185 °F | |
| Response time | 5 ms for 10...90% of pressure range | |
| Material | Body: stainless steel 316L, mat. no. 1.4404 | Shock resistance 50 g (11ms) Measuring cell: silicone and NBR/Buna-N o-ring |





accurate to 0.5%
compressed air or liquids

| Dimensions | | Over-pressure | Measurement range | Order number for output signal | |
|------------|----|---------------|-------------------|--------------------------------|--------|
| B | Ø | max. bar | bar | 4-20 mA | 0-10 V |
| mm | mm | | | | |

| for non-corrosive media | | | G ^{1/4} male, open sensor, with angular coupling socket | D7A 0.5% accurate | D7V |
|-------------------------|------|------|--|-------------------|---------|
| 52 | 21.8 | 0.25 | 0... 10 mbar | D7A-B1 | D7V-B1 |
| | | 0.25 | -10... 10 mbar | D7A-B1V | D7V-B1V |
| | | 0.35 | 0... 25 mbar | D7A-B2 | D7V-B2 |
| | | 0.35 | -25... 25 mbar | D7A-B2V | D7V-B2V |
| | | 1 | 0... 70 mbar | D7A-B7 | D7V-B7 |
| | | 1 | -70... 70 mbar | D7A-B7V | D7V-B7V |
| | | 1 | 0...350 mbar | D7A-C3 | D7V-C3 |
| | | 1 | -350...350 mbar | D7A-C3V | D7V-C3V |
| | | 2 | 0... 1 bar | D7A-01 | D7V-01 |
| | | 2 | -1... 1 bar | D7A-V1 | D7V-V1 |
| | | 4 | 0... 2 bar | D7A-02 | D7V-02 |
| | | 7 | 0... 5 bar | D7A-05 | D7V-05 |



D7



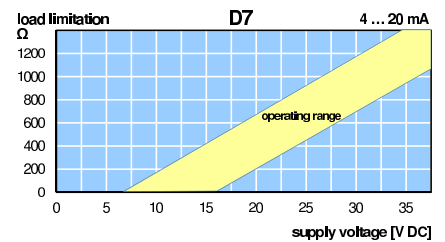
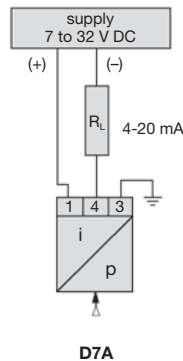
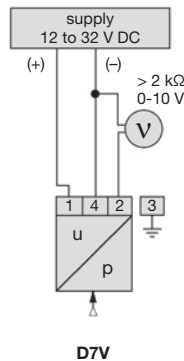
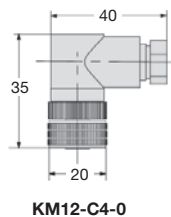
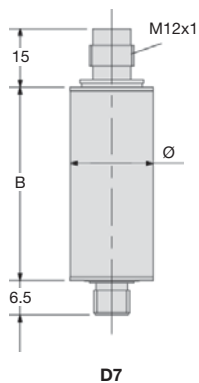
KM12-C4-0

Special options, add the appropriate letter or number

| | | |
|---------------------------|--------------------------|-----------|
| deviant measurement range | to be indicated on order | D7.-XX |
| G ^{1/4} male | connection thread | D7.-...02 |
| G ^{3/8} male | connection thread | D7.-...03 |

Zubehör, lose beigelegt

| | | | | |
|-----------------------|-----------------|-----------|---------|-----------|
| coupling socket 4-pin | M12x1, straight | KM12-A4-0 | angular | KM12-C4-0 |
| socket with cable | 2 m, straight | KM12-A4-2 | angular | KM12-C4-2 |
| | 5 m, straight | KM12-A4-5 | angular | KM12-C4-5 |

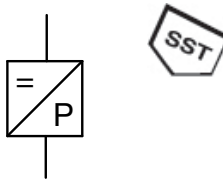


Test chart: see chapter "Technical information"

PDF CAD
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Order example:
D7A-B1

| | |
|--------------------------------|--|
| Description | The operating pressure is converted into a proportional, electrical signal by a silicon pressure transducer. After amplification the signal is monitored as an analogue voltage or current signal. |
| Media | all media compatible with stainless steel 316L or 1.4404 D6.-..W: liquids compatible with stainless steel 316L, polyethylene and NBR/Buna-N D6.-..H: light and heavy heating oil |
| Supply voltage | 13...30 V DC at voltage signal, 12...36 V DC at current signal, residual ripple 5%, reverse voltage protection plug according to DIN 43650A, contact gap 18 mm, 3-pin, with coupling socket |
| Electrical connector | 4...20 mA: max. power consumption 260 mW 0...10 V: max. power consumption 100 mW |
| Output signal | |
| Linearity/Hysteresis | < 0.1 % FS typ. |
| Repeatability | < 0.1 % FS typ. |
| Long-term stability | < 0.2 % FS typ. |
| Temperature sensitivity | < 0.03% FS typ. per °C at 0 to 70 °C / 32 to 158 °F |
| Response time | 1 ms for 10...90% of pressure range |
| Vibration resistance | 10 g at 5...500 Hz |
| Mounting position | any |
| Material | Body/Diaphragm: stainless steel 316L/1.4404, D6.-..W: additionally polyethylene and NBR/Buna-N |



-1...350 bar, accurate to 0.5% compressed air or liquids

| Dimensions | | | Over-pressure | Measurement | Order number | |
|------------|----|-----|---------------|-------------|-------------------|--------|
| B | Ø | A/F | max. bar | range | for output signal | |
| mm | mm | mm | | bar | 4-20 mA | 0-10 V |

| Pressure transducer G $\frac{1}{2}$ male | | | stainless steel, gauge pressure with angular coupling socket | | D6A | D6V |
|--|----|----|--|---------|--------|--------|
| 142 | 27 | 27 | 2 | 0... -1 | D6A-V0 | D6V-V0 |
| | | | 2 | -1... 1 | D6A-V1 | D6V-V1 |
| | | | 2 | 0... 1 | D6A-01 | D6V-01 |
| | | | 4 | 0... 2 | D6A-02 | D6V-02 |
| | | | 10 | 0... 5 | D6A-05 | D6V-05 |
| | | | 20 | 0... 10 | D6A-10 | D6V-10 |
| 125 | 27 | 27 | 32 | 0... 16 | D6A-16 | D6V-16 |
| | | | 40 | 0... 20 | D6A-20 | D6V-20 |
| | | | 70 | 0... 35 | D6A-35 | D6V-35 |
| | | | 140 | 0... 70 | D6A-70 | D6V-70 |
| | | | 200 | 0...100 | D6A-D1 | D6V-D1 |
| | | | 400 | 0...200 | D6A-D2 | D6V-D2 |
| | | | 700 | 0...350 | D6A-D3 | D6V-D3 |



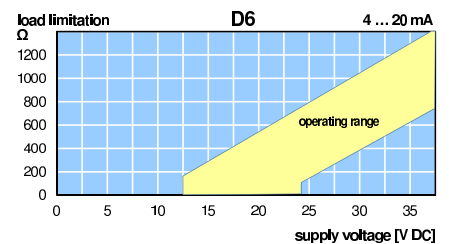
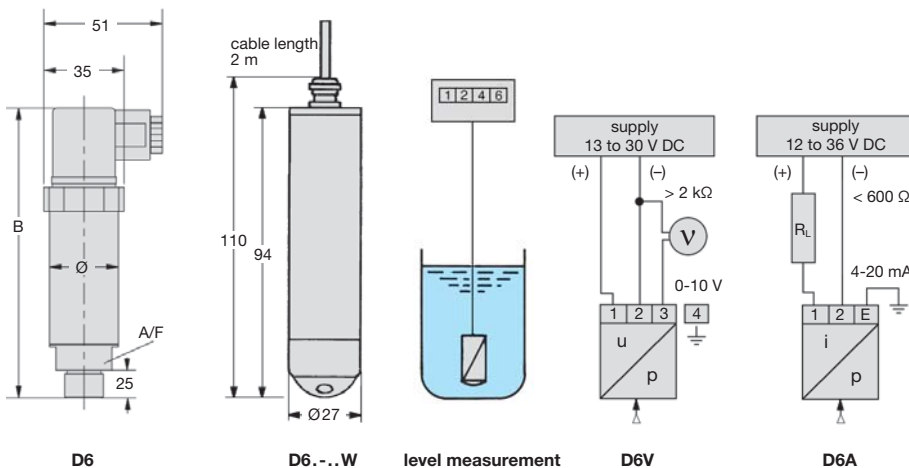
D6A-01 with male thread **D6A-01F** with flush-mounted stainless steel diaphragm

Special options, add the appropriate letter or number

| | | |
|--|---|----------|
| deviant measurement range | to be indicated on order | D6.-..XX |
| absolute pressure range | lowest measurement range: 0...1 bar _{abs} | D6.-..A |
| G$\frac{1}{4}$ male | connection thread | D6.-..02 |
| for oxygen | specially cleaned, max. 20 bar | D6.-..15 |
| flush-mounted diaphragm | up to 16 bar, G $\frac{3}{4}$, height 132 mm, A/F 32 mm | D6.-..F |
| submersible sensor f. water | up to 10 bar, IP 68, with 2 m capillary cable -25 °C to 70 °C / -13 °F to 158 °F | D6.-..W |
| submersible sensor f. heating oil | up to 10 bar, IP 68, with 2 m capillary cable | D6.-..H |




D6A-01W with cable

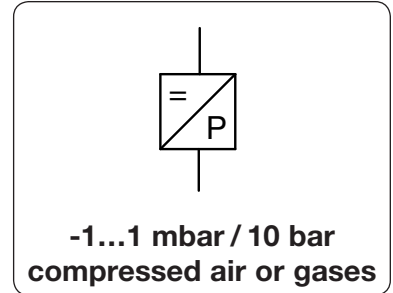


Test chart: see chapter "Technical information"

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 Order example:
D6A-V0

| | | | |
|--------------------------------|---|------------------------------------|---------------------------------------|
| Description | The differential pressure between port H and L is converted into a proportional, electrical signal by a silicon pressure transducer, amplified and then monitored as an analogue voltage or current signal. | | |
| Media | compressed air or non-corrosive gases | | |
| Supply voltage | 12...32 V DC, | residual ripple 5%, | with voltage protection |
| Electrical connector | plug M12x1, 4-pin, | optionally 4-wire connection cable | |
| Output signal | 4...20 mA: max. power consumption 260 mW | | 1...6 V: max. power consumption 60 mW |
| Linearity/Hysteresis | < 0.1 % FS typ. | | |
| Repeatability | < 0.1 % FS typ. | | |
| Long-term stability | < 0.2 % FS typ. | | |
| Temperature sensitivity | < 0.02% FS typ. per °C at 0 to 50 °C / 32 to 122 °F | | |
| Response time | 1 ms for 10...90% of pressure range | | |
| Vibration resistance | 10 g at 5...500 Hz | | |
| Mounting position | upright | | |
| Material | Body: aluminium | | |
| Shock resistance | 50 g | | |
| Protection class | IP 67 with plug mounted | | |
| Temperature range | -25 °C to 85 °C / -13 °F to 185 °F | | |



| Dimensions | | Differential pressure | Overpressure | Measurement range | Order number |
|------------|---|-----------------------|---------------------|-------------------|--------------|
| B | Ø | max. bar | both ports max. bar | mbar/bar | |

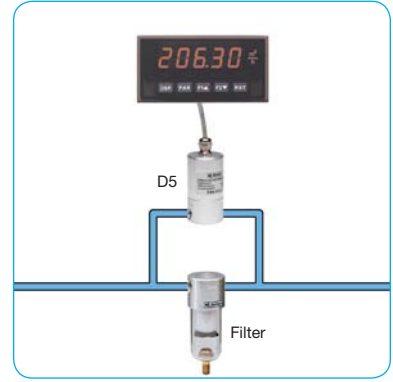
| Differential pressure transducer 4-20 mA | | | | | |
|--|----|------|------|-----------------------------------|-------------------|
| G½, 2-wire, with angular coupling socket | | | | | D5 |
| 86 | 40 | 0.25 | 0.5 | 0... 1 mbar -1... 1 mbar | D5A-A1 D5A-A1V |
| | | | | 0... 2 mbar -2... 2 mbar | D5A-A2 D5A-A2V |
| 86 | 40 | 0.35 | 0.75 | 0... 5 mbar -5... 5 mbar | D5A-A5 D5A-A5V |
| | | | | 0... 10 mbar -10... 10 mbar | D5A-B1 D5A-B1V |
| 86 | 40 | 0.35 | 3.5 | 0... 25 mbar -25... 25 mbar | D5A-B2 D5A-B2V |
| 86 | 40 | 1.4 | 12 | 0... 70 mbar -70... 70 mbar | D5A-B7 D5A-B7V |
| | | | | 0... 350 mbar -350... 350 mbar | D5A-C3 D5A-C3V |
| 86 | 40 | 2 | 12 | 0... 1 bar -1... 1 bar | D5A-O1 D5A-V1 |
| 86 | 40 | 4 | 12 | 0... 2 bar | D5A-O2 |
| | | 10 | 12 | 0... 5 bar | D5A-O5 |
| | | 12 | 20 | 0... 10 bar | D5A-10 |



D5 D5-L1

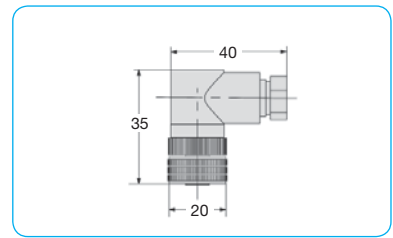
Special options, add the appropriate letter or number

| | | |
|----------------------|---------------------|---------|
| 1-6 V | output signal | D5V-.. |
| 1 m connection cable | fixed at the device | D5-..L1 |



Accessories

| | | | | |
|-----------------------|-----------------|-----------|---------|-----------|
| coupling socket 4-pin | M12x1, straight | KM12-A4-0 | angular | KM12-C4-0 |
| socket with cable | 2 m, straight | KM12-A4-2 | angular | KM12-C4-2 |
| | 5 m, straight | KM12-A4-5 | angular | KM12-C4-5 |



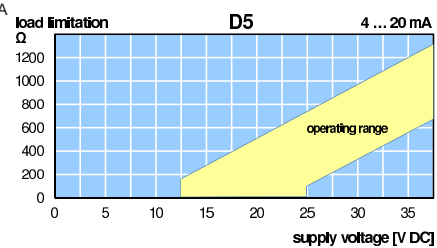
D5-L1

D5

D5V

D5A

| coupling socket / cable | | | |
|-------------------------|--------|------------|--------|
| pin | colour | 4-20 mA | 1-6 V |
| 1 | brown | (+) supply | |
| 2 | white | -/- | output |
| 3 | blue | housing | |
| 4 | black | (-) supply | |
| blank | | housing | |



| | | |
|--------------------------------|--|--|
| Description | Pressure transducer in compact and robust stainless steel housing with piezo-resistive measuring element. Factory-made calibration of zero point and range is possible. | |
| Media | compressed air, non-corrosive gases or liquids | |
| Overpressure | max. 3x full scale, min. 3 bar, for DAA-D6 and DAA-E1 max. 1500 bar | |
| Supply voltage | 9...33 V DC at current signal, 15...30 V DC at voltage signal, reverse voltage protection, short-circuit-proof | |
| ATEX version | only current signal 10...30 V DC, max. 1 W, as per EN 50.014 / EN 50.020: 1974 A1...A5, ATEX 2640-1 | |
| Electrical connector | plug according to DIN 43650, with coupling socket | |
| Output signal | 4...20 mA: max. power consumption 260 mW, 0...10 V: max. power consumption 50 mW | |
| Linearity/Hysteresis | < 0.1% FS | |
| Temperature sensitivity | Repeatability < 0.1% FS Long-term stability < 0.1% FS, < 0.5% FS at version up to 500 mbar < 0.02% FS per °C / K, < 0.06% FS at version up to 2 bar per °C / K, at range of 0 °C to 70 °C / 32 °F to 158 °F < 0.1 % FS at version up to 500 mbar per °C / K, 1 ms for 10...90% of pressure range | |
| Response time | 1 ms for 10...90% of pressure range | |
| Vibration resistance | 10 g at 5...500 Hz | |
| Mounting position | any | |
| Material | Body/Diaphragm: stainless steel 316L, material no. 1.4435 O-rings: FKM, optionally EPDM | |

**-1...1000 bar, accurate to 0.1 %
compressed air or gases**

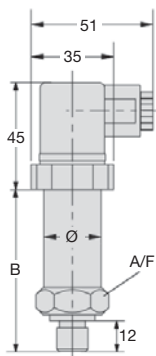
| Dimensions | | | Accuracy | Measurement range | Order number | Measurement range | Order number |
|------------|----|-----|----------|-------------------|--------------|-------------------|--------------|
| B | Ø | A/F | % | mbar/bar | 4-20 mA | mbar/bar | 4-20 mA |
| mm | mm | mm | | | | | |

| Pressure transducer | | | | G¼ male, SST, overpressure with angular coupling socket, 4-20 mA | DA | | |
|---------------------|----|----|-----|--|---------|--------------|---------|
| 73 | 24 | 27 | 0.1 | 0... 50 mbar | DAA-B5H | | |
| | | | | 0... 100 mbar | DAA-C1H | | |
| | | | | 0... 160 mbar | DAA-C2H | 0... 10 bar | DAA-10H |
| | | | | 0...250 mbar | DAA-C3H | 0... 16 bar | DAA-16H |
| | | | | 0...400 mbar | DAA-C4H | 0... 25 bar | DAA-25H |
| | | | | 0...600 mbar | DAA-C6H | 0... 40 bar | DAA-40H |
| | | | | 0... 1.0 bar | DAA-01H | 0... 60 bar | DAA-60H |
| | | | | 0... 1.6 bar | DAA-02H | 0... 100 bar | DAA-D1H |
| | | | | 0... 2.5 bar | DAA-03H | 0... 160 bar | DAA-D2H |
| | | | | 0... 4.0 bar | DAA-04H | 0... 250 bar | DAA-D3H |
| | | | | 0... 6.0 bar | DAA-06H | 0... 400 bar | DAA-D4H |
| | | | | | | 0... 600 bar | DAA-D6H |
| 73 | 24 | 27 | 0.5 | | | 0...1000 bar | DAA-E1 |



Special options, add the appropriate letter or number

| | | |
|------------------------------|---|----------|
| 0-10 V output signal | not for Ex ATEX version | DAV-.. |
| deviant measurement range | to be indicated on order | DA.-XX |
| absolute pressure range | from 50 mbar on | DA.-.A |
| vacuum | 0...-1 bar | DA.-.V |
| Ex-Atex version | Ex II 1G Ex ia IIC T6 | DAA-..EX |
| 0.25 % linearity | for 100 mbar up to 600 bar | DA.-.G |
| | for 1000 bar | DA.-E1G |
| -25 to +100 °C/-13 to 212 °F | media temperature compensated up to 85 °C / 185 °F / T4 | DA.-.S |
| -25 to +150 °C/-13 to 302 °F | media temperature compensated up to 85 °C / 185 °F / T3 | DA.-.T |
| flush-mounted diaphragm | connection thread G½, also for vacuum, up to 600 bar | DA.-.F |
| G½ male | connection thread | DA.-.04 |
| EPDM elastomer | | DA.-.E |
| silicone-free oil-refill | | DA.-.X32 |



| version | B (mm) |
|-----------------|--------|
| standard | 73 |
| standard 150 °C | 100 |
| Ex | 122 |
| Ex, T3 | 149 |

