



DMU2/A

Pressure transducer for pressure difference with EMC thread

Measuring size: pressure Output: 0-10 V, 4-20 mA, Relay

Highlights: EMC thread, 8 different scales per device











Description

The pressure transducer DMU2/A registers the over-pressure, under-pressure and the pressure difference at the two pressure outlets and converts the measured value into a linear output signal 0-10 V respectively 4-20 mA um. 8 different scales can be selected, which can be switched freely using the innovative DIP switch technology. The output attenuation of the pressure transducer (0 sec / 1 sec / 5 sec / 10 sec) can also be selected using a DIP switch. For a manual calibration of the zero point the pressure transducer performs a zero point balance in situ at the push of a button. If required the pressure transducer can be finely calibrated in situ using an SPAN controller. The aluminium housing ensures an extremely high mechanical robustness and has an EMS thread for the easy and safe EMC conform wiring.



Technical Specifications

Medium air, non-aggressive, non-flammable, non-condensing gases V1: 0+/-500 Pa, V2: 0+/-500 Pa, V3: 0+/-500 Pa, V3: 0+/-500 Pa, V3: 0+/-500 Pa, V2: 0+/-50 Pa, 0+/-75 Pa, 0+/-50 Pa, 0+/-500 Pa, 0+/-500 Pa, V3: 0+/-50 Pa, 0+/-50 Pa, 0+/-75 Pa, 0+/-50 Pa	Pressure type	positive, negative or differential pressure		
Measurement range pressure V1: 0+/-500 Pa, V2: 0+/-5000 Pa, V3: 0+/-100 Pa V1: 0+/-100, 0+/-200 Pa, 0+/-500 Pa; V3: 0+/-100 Pa, 0+/-500 Pa; V2: 0+/-1000, 0+/-200 Pa, 0+/-500 Pa; V3: 0+/-500 Pa; V2: 0+/-1000, 0+/-200 Pa, 0+/-500 Pa; V3: 0+/-500 Pa; V2: 0+/-50 Pa, 0+/-5	Medium			
V1: 0+/-100, 0+/-200 Pa, 0+/-500 Pa, 0+/-500 Pa; V2: 0+/-1000, 0+/-2000 Pa, 0+/-2000 Pa, 0+/-500 Pa; V3: 0+/-50 Pa, 0+/-75 Pa, 0+/-100 Pa 43.0% FS (at 20°C) Temperature dependency ±2,5% FS / 10 K Linearity inaccuracy ±1,0% final value Long term stability ±1% FS/year Zero-point adjustment max. +2% final value United tentuation = 1,1 5% afteration relating to final value 2 t s, at 5% afteration relating to final value Output attentuation = 0 s / 1 s / 5 s / 10 s selectable by DIP switch Sensor protection mounted inside housing Running-in time = 30 min at initial operation because of tempering Supply voltage analog 0-10 V Supply voltage analog 0-10 V Supply voltage analog 4-20 mA Analogue output 0-10 V Analogue output 1-20 mA Analogue output 0-10 V Analogue output 1-20 mA Electrical connection screw terminals max. 1,5 mm² Pressure resistance 5-times of measurement range Housing die-cast (aluminium), colour silver grey like RAL 7001 Dimensions Housing L64 x W 58 x H 34,5 mm Cable gland M16x1,5 high-strength cable gland with strain relief and EMC grounding Protection class III Working range r.H. 098% r.H. in contaminant-free, non-condensing air Working range r.H. 098% r.H. in contaminant-free, non-condensing air United Street were fastening, Pressure connection: 2 plastic duct connecting nipple with fastening screws and 2 m PVC tub Ø 6 mm (in scope of delivery) Manual zero-point adjustment The zero point adjustment is started by pressing the button on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Measurement range pressure	77		
0+/-2000 Pa, 0+/-3000 Pa, 0+/-5000 Pa; V3: 0+/-50 Pa, 0+/-75 Pa, 0+/-100 Pa 4.3.0% FS (at 20°C) Temperature dependency	Scales			
Pa, 0+/-100 Pa Accuracy ±3.0% FS (at 20°C) Temperature dependency ±2.5% FS / 10 K Linearity inaccuracy ±1.0% final value Long term stability ±1% FS/year Zero-point adjustment max. +2% final value Offset ±5% from the selected scale by 270° potentiometer Reaction rate				
Accuracy ±3,0% FS (at 20°C) Temperature dependency ±2,5% FS / 10 K Linearity inaccuracy ±1,0% final value Long term stability ±1% FS/year Zero-point adjustment max. +2% final value Offset ±5% from the selected scale by 270° potentiometer Reaction rate <1 s., at 5% alteration relating to final value Output attentuation 0 s / 1 s / 5 s / 10 s selectable by DIP switch Sensor protection mounted inside housing Running-in time <30 min at initial operation because of tempering Supply voltage analog 0-10 V 24 V AC/DC (±5%) Supply voltage analog 4-20 mA Current consumption at 0-10 V 3-wire connection, min. load resistance 100 kOhm Analogue output 0-10 V 3-wire connection, min. load resistance 100 kOhm Analogue output 4-20 mA Electrical connection Screw terminals max. 1,5 mm² Pressure resistance Housing die-cast (aluminium), colour silver grey like RAL 7001 Dimensions Housing: L 64 x W 58 x H 34,5 mm Cable gland M16x1,5 high-strength cable gland with strain relief and EMC grounding Protection class III Working range r.H. 098% r.H. in contaminant-free, non-condensing air Working range r.H. 098% r.H. in contaminant-free, non-condensing air Working temperature 0+50°C Storage temperature 0+50°C Storage temperature 0+50°C Installation The zero point adjustment is started by pressure the out on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.				
Linearity inaccuracy ±1,0% final value ±1% FS/year Zero-point adjustment max. +2% final value ±1% FS/year Zero-point adjustment max. +2% final value ±5% from the selected scale by 270° potentiometer Reaction rate 41 s, at 5% alteration relating to final value Output attentuation 0 s / 1 s / 5 s / 10 s selectable by DIP switch mounted inside housing Running-in time 430 min at initial operation because of tempering Supply voltage analog 0-10 V 24 V AC/DC (±5%) Supply voltage analog 4-20 mA Current consumption at 0-10 V Current consumption at 0-10 V Analogue output 0-10 V Analogue output 4-20 mA Analogue output 4-20 mA 2-wire connection, min. load resistance 100 kOhm Analogue output 4-20 mA 2-wire connection (transmitter), max. RLoad(Ohm) = (+Ub - 15 V) / 0,02 A Electrical connection screw terminals max. 1,5 mm² Pressure resistance 5-times of measurement range die-cast (aluminium), colour silver grey like RAL 7001 Dimensions Housing: L 64 x W 58 x H 34,5 mm Cable gland M16x1,5 high-strength cable gland with strain relief and EMC grounding Protection class III Working range r.H. 098% r.H. in contaminant-free, non-condensing air 0+50°C Storage temperature 0+50°C Storage temperature 0+50°C Storage temperature 0+50°C Manual zero-point adjustment The zero point adjustment is started by pressing the button on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Accuracy			
Linearity inaccuracy ±1,0% final value Long term stability ±1% FS/year Max. +2% final value Offset ±5% from the selected scale by 270° potentiometer Reaction rate				
Zero-point adjustment max. +2% final value Offset ±5% from the selected scale by 270° potentiometer Reaction rate <1 s, at 5% alteration relating to final value Output attentuation 0 s / 1 s / 5 s / 10 s selectable by DIP switch Sensor protection mounted inside housing Running-in time <30 min at initial operation because of tempering Supply voltage analog 0-10 V 24 V AC/DC (±5%) Supply voltage analog 4-20 mA Analogue output 0-10 V Analogue output 0-10 V Analogue output 10-10 V Analogue output 4-20 mA Analogue output 4-20 mA Analogue output 4-20 mA Analogue output 4-20 mA Cirrent consumption at 0-10 V Analogue output 4-20 mA Analogue output 4-20 mA Analogue output 3-wire connection (transmitter), max. RLoad(Ohm) = (+Ub - 15 V) / 0,02 A Electrical connection screw terminals max. 1,5 mm² Pressure resistance 5-times of measurement range die-cast (aluminium), colour silver grey like RAL 7001 Dimensions Housing: L 64 x W 58 x H 34,5 mm Cable gland M16x1,5 high-strength cable gland with strain relief and EMC grounding Protection type IP65, IP20 if pressure connection port is open Protection class III Working range r.H. 098% r.H. in contaminant-free, non-condensing air Working temperature 0+50°C Storage temperature 1	Linearity inaccuracy	±1,0% final value		
Zero-point adjustment max. +2% final value Offset ±5% from the selected scale by 270° potentiometer Reaction rate <1 s, at 5% alteration relating to final value Output attentuation 0 s / 1 s / 5 s / 10 s selectable by DIP switch Sensor protection mounted inside housing Running-in time <30 min at initial operation because of tempering Supply voltage analog 0-10 V 24 V AC/DC (±5%) Supply voltage analog 4-20 mA Analogue output 0-10 V Analogue output 0-10 V Analogue output 10-10 V Analogue output 4-20 mA Analogue output 4-20 mA Analogue output 4-20 mA Analogue output 4-20 mA Cirrent consumption at 0-10 V Analogue output 4-20 mA Analogue output 4-20 mA Analogue output 3-wire connection (transmitter), max. RLoad(Ohm) = (+Ub - 15 V) / 0,02 A Electrical connection screw terminals max. 1,5 mm² Pressure resistance 5-times of measurement range die-cast (aluminium), colour silver grey like RAL 7001 Dimensions Housing: L 64 x W 58 x H 34,5 mm Cable gland M16x1,5 high-strength cable gland with strain relief and EMC grounding Protection type IP65, IP20 if pressure connection port is open Protection class III Working range r.H. 098% r.H. in contaminant-free, non-condensing air Working temperature 0+50°C Storage temperature 1	Long term stability			
Offset ±5% from the selected scale by 270° potentiometer Reaction rate <1 s, at 5% alteration relating to final value Output attentuation 0 s / 1 s / 5 s / 10 s selectable by DIP switch Sensor protection mounted inside housing Running-in time <30 min at initial operation because of tempering Supply voltage analog 0-10 V Supply voltage analog 4-20 mA 1536 V DC (\(\pm\)5%) Supply voltage analog 4-20 mA 1536 V DC (\(\pm\)5%) Current consumption at 0-10 V Current consumption at 4-20 mA max. 20 mA / output Analogue output 0-10 V 3-wire connection, min. load resistance 100 kOhm Analogue output 4-20 mA 2-wire connection (transmitter), max. RLoad(Ohm) = (+Ub - 15 V) / 0,02 A Electrical connection screw terminals max. 1,5 mm² Pressure resistance 5-times of measurement range Housing die-cast (aluminium), colour silver grey like RAL 7001 Dimensions Housing: L 64 x W 58 x H 34,5 mm Cable gland M16x1,5 high-strength cable gland with strain relief and EMC grounding Protection type IP65, IP20 if pressure connection port is open III Working range r.H. 098% r.H. in contaminant-free, non-condensing air O+50°C Installation Housing: screw fastening, Pressure connection: 2 plastic duct connecting nipple with fastening screws and 2 m PVC tube Ø 6 mm (in scope of delivery) The zero point adjustment started by pressing the button on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	· ·			
Reaction rate Output attentuation Os / 1 s / 5 s / 10 s selectable by DIP switch Sensor protection mounted inside housing Running-in time < 30 min at initial operation because of tempering Supply voltage analog 0-10 V 24 V AC/DC (±5%) Supply voltage analog 4-20 mA Current consumption at 0-10 V typ. 15 mA Current consumption at 4-20 mA Analogue output 0-10 V Analogue output 4-20 mA Electrical connection Serew terminals max. 1,5 mm² Pressure resistance Housing Housing: L 64 x W 58 x H 34,5 mm Cable gland M16x1,5 high-strength cable gland with strain relief and EMC grounding Protection type Protection class III Working range r.H. Working range r.H. O98% r.H. in contaminant-free, non-condensing air O+50°C Installation Housing: screw fastening, Pressure connection: 2 plastic duct connecting nipple with fastening screws and 2 m PVC tube Ø 6 mm (in scope of delivery) The zero point adjustment of see durable lightning or the LED.	Offset	±5% from the selected scale by 270° potentiometer		
Output attentuation O s / 1 s / 5 s / 10 s selectable by DIP switch mounted inside housing Running-in time < 30 min at initial operation because of tempering Supply voltage analog 0-10 V 24 V AC/DC (±5%) Supply voltage analog 4-20 mA Current consumption at 0-10 V Current consumption at 4-20 mA Analogue output 0-10 V Analogue output 4-20 mA Analogue output 4-20 mA 2-wire connection, min. load resistance 100 kOhm Analogue output 4-20 mA 2-wire connection (transmitter), max. RLoad(Ohm) = (+Ub - 15 V) / 0,02 A Electrical connection Screw terminals max. 1,5 mm² Pressure resistance 5-times of measurement range Housing die-cast (aluminium), colour silver grey like RAL 7001 Dimensions Housing: L 64 x W 58 x H 34,5 mm Cable gland M16x1,5 high-strength cable gland with strain relief and EMC grounding Protection type Protection class III Working range r.H. 098% r.H. in contaminant-free, non-condensing air Working temperature 0+50°C Storage temperature 0+50°C Installation Housing: screw fastening, Pressure connection: 2 plastic duct connecting nipple with fastening screws and 2 m PVC tube Ø 6 mm (in scope of delivery) The zero point adjustment is started by pressing the button on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Reaction rate	· · · · · · · · · · · · · · · · · · ·		
Running-in time	Output attentuation	· · · · · · · · · · · · · · · · · · ·		
Running-in time	•	·		
Supply voltage analog 0-10 V 24 V AC/DC (±5%) Supply voltage analog 4-20 mA 1536 V DC (Ubmin = 15 V + RLoad*0,02A) Current consumption at 0-10 V typ. 15 mA max. 20 mA / output Analogue output 0-10 V 3-wire connection, min. load resistance 100 kOhm Analogue output 4-20 mA 2-wire connection (transmitter), max. RLoad(Ohm) = (+Ub - 15 V) / 0,02 A Electrical connection screw terminals max. 1,5 mm² Pressure resistance 5-times of measurement range Housing die-cast (aluminium), colour silver grey like RAL 7001 Dimensions Housing: L 64 x W 58 x H 34,5 mm Cable gland M16x1,5 high-strength cable gland with strain relief and EMC grounding Protection class III Working range r.H. 098% r.H. in contaminant-free, non-condensing air Working temperature 0+50°C Storage temperature 0+50°C Installation Housing: screw fastening, Pressure connection: 2 plastic duct connecting nipple with fastening screws and 2 m PVC tube Ø 6 mm (in scope of delivery) The zero point adjustment is started by pressing the button on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Running-in time	< 30 min at initial operation because of tempering		
Supply voltage analog 4-20 mA Current consumption at 0-10 V typ. 15 mA Current consumption at 4-20 mA Analogue output 0-10 V Analogue output 4-20 mA Electrical connection Screw terminals max. 1,5 mm² Pressure resistance 5-times of measurement range Housing die-cast (aluminium), colour silver grey like RAL 7001 Dimensions Housing: L 64 x W 58 x H 34,5 mm Cable gland M16x1,5 high-strength cable gland with strain relief and EMC grounding Protection type IP65, IP20 if pressure connection port is open Working range r.H. Working temperature 0+50°C Storage temperature 0+50°C Installation Housing: screw fastening, Pressure connection: 2 plastic duct connecting nipple with fastening screws and 2 m PVC tube Ø 6 mm (in scope of delivery) The zero point adjustment The zero point adjustment is started by pressing the button on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Supply voltage analog 0-10 V	24 V AC/DC (±5%)		
Current consumption at 0-10 V Current consumption at 4-20 mA Analogue output 0-10 V Analogue output 4-20 mA Electrical connection Pressure resistance Housing Dimensions Housing: L 64 x W 58 x H 34,5 mm Cable gland Protection class III Working range r.H. Working temperature Storage temperature Storage temperature Housing: Storage temperature Manual zero-point adjustment Manual zero-point adjustment Working temperature Manual zero-point adjustment Temperature Manual zero-point adjustment Temperature Manual zero-point adjustment Temperature very served to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Supply voltage analog 4-20 mA	1536 V DC (Ubmin = 15 V + RLoad*0,02A)		
Current consumption at 4-20 mA Analogue output 0-10 V 3-wire connection, min. load resistance 100 kOhm Analogue output 4-20 mA 2-wire connection (transmitter), max. RLoad(Ohm) = (+Ub - 15 V) / 0,02 A Electrical connection Screw terminals max. 1,5 mm² Pressure resistance 5-times of measurement range Housing die-cast (aluminium), colour silver grey like RAL 7001 Dimensions Housing: L 64 x W 58 x H 34,5 mm Cable gland M16x1,5 high-strength cable gland with strain relief and EMC grounding Protection type IP65, IP20 if pressure connection port is open Protection class III Working range r.H. 098% r.H. in contaminant-free, non-condensing air Working temperature 0+50°C Storage temperature 10+50°C Installation Housing: screw fastening, Pressure connection: 2 plastic duct connecting nipple with fastening screws and 2 m PVC tube Ø 6 mm (in scope of delivery) Manual zero-point adjustment The zero point adjustment is started by pressing the button on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Current consumption at 0-10 V	typ. 15 mA		
Analogue output 0-10 V Analogue output 4-20 mA Analogue output 4-20 mA 2-wire connection (transmitter), max. RLoad(Ohm) = (+Ub - 15 V) / 0,02 A Electrical connection screw terminals max. 1,5 mm² Pressure resistance 5-times of measurement range Housing die-cast (aluminium), colour silver grey like RAL 7001 Dimensions Housing: L 64 x W 58 x H 34,5 mm Cable gland M16x1,5 high-strength cable gland with strain relief and EMC grounding Protection type IP65, IP20 if pressure connection port is open Protection class III Working range r.H. 098% r.H. in contaminant-free, non-condensing air Working temperature 0+50°C Storage temperature Un+50°C Housing: screw fastening, Pressure connection: 2 plastic duct connecting nipple with fastening screws and 2 m PVC tube Ø 6 mm (in scope of delivery) Manual zero-point adjustment The zero point adjustment is started by pressing the button on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Current consumption at 4-20 mA	max. 20 mA / output		
Electrical connection screw terminals max. 1,5 mm² Pressure resistance 5-times of measurement range Housing die-cast (aluminium), colour silver grey like RAL 7001 Dimensions Housing: L 64 x W 58 x H 34,5 mm Cable gland M16x1,5 high-strength cable gland with strain relief and EMC grounding Protection type IP65, IP20 if pressure connection port is open Protection class III Working range r.H. 098% r.H. in contaminant-free, non-condensing air Working temperature 0+50°C Storage temperature 0+50°C Installation Housing: screw fastening, Pressure connection: 2 plastic duct connecting nipple with fastening screws and 2 m PVC tube Ø 6 mm (in scope of delivery) Manual zero-point adjustment The zero point adjustment is started by pressing the button on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Analogue output 0-10 V	3-wire connection, min. load resistance 100 kOhm		
Pressure resistance 5-times of measurement range die-cast (aluminium), colour silver grey like RAL 7001 Dimensions Housing: L 64 x W 58 x H 34,5 mm Cable gland M16x1,5 high-strength cable gland with strain relief and EMC grounding Protection type IP65, IP20 if pressure connection port is open Protection class III Working range r.H. 098% r.H. in contaminant-free, non-condensing air Working temperature 0+50°C Storage temperature 0+50°C Installation Housing: screw fastening, Pressure connection: 2 plastic duct connecting nipple with fastening screws and 2 m PVC tube Ø 6 mm (in scope of delivery) Manual zero-point adjustment The zero point adjustment is started by pressing the button on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Analogue output 4-20 mA	2-wire connection (transmitter), max. RLoad(Ohm) = (+Ub - 15 V) / 0,02 A		
Housing die-cast (aluminium), colour silver grey like RAL 7001 Dimensions Housing: L 64 x W 58 x H 34,5 mm Cable gland M16x1,5 high-strength cable gland with strain relief and EMC grounding Protection type IP65, IP20 if pressure connection port is open Protection class III Working range r.H. 098% r.H. in contaminant-free, non-condensing air Working temperature 0+50°C Storage temperature 0+50°C Installation Housing: screw fastening, Pressure connection: 2 plastic duct connecting nipple with fastening screws and 2 m PVC tube Ø 6 mm (in scope of delivery) Manual zero-point adjustment The zero point adjustment is started by pressing the button on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Electrical connection	screw terminals max. 1,5 mm ²		
Dimensions Housing: L 64 x W 58 x H 34,5 mm Cable gland M16x1,5 high-strength cable gland with strain relief and EMC grounding Protection type IP65, IP20 if pressure connection port is open Protection class III Working range r.H. 098% r.H. in contaminant-free, non-condensing air Working temperature 0+50°C Storage temperature Installation Housing: screw fastening, Pressure connection: 2 plastic duct connecting nipple with fastening screws and 2 m PVC tube Ø 6 mm (in scope of delivery) Manual zero-point adjustment The zero point adjustment is started by pressing the button on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Pressure resistance	5-times of measurement range		
Cable gland M16x1,5 high-strength cable gland with strain relief and EMC grounding Protection type IP65, IP20 if pressure connection port is open III Working range r.H. 098% r.H. in contaminant-free, non-condensing air Working temperature 0+50°C Storage temperature Installation Housing: screw fastening, Pressure connection: 2 plastic duct connecting nipple with fastening screws and 2 m PVC tube Ø 6 mm (in scope of delivery) Manual zero-point adjustment The zero point adjustment is started by pressing the button on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Housing	die-cast (aluminium), colour silver grey like RAL 7001		
Protection type Protection class III Working range r.H. 098% r.H. in contaminant-free, non-condensing air Working temperature 0+50°C Storage temperature Installation Housing: screw fastening, Pressure connection: 2 plastic duct connecting nipple with fastening screws and 2 m PVC tube Ø 6 mm (in scope of delivery) Manual zero-point adjustment The zero point adjustment is started by pressing the button on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Dimensions	Housing: L 64 x W 58 x H 34,5 mm		
Protection class Working range r.H. 098% r.H. in contaminant-free, non-condensing air 0+50°C Storage temperature 0+50°C Installation Housing: screw fastening, Pressure connection: 2 plastic duct connecting nipple with fastening screws and 2 m PVC tube Ø 6 mm (in scope of delivery) Manual zero-point adjustment The zero point adjustment is started by pressing the button on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Cable gland	M16x1,5 high-strength cable gland with strain relief and EMC grounding		
Working range r.H. 098% r.H. in contaminant-free, non-condensing air 0+50°C Storage temperature 0+50°C Installation Housing: screw fastening, Pressure connection: 2 plastic duct connecting nipple with fastening screws and 2 m PVC tube Ø 6 mm (in scope of delivery) The zero point adjustment is started by pressing the button on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Protection type	IP65, IP20 if pressure connection port is open		
Working temperature 0+50°C Storage temperature 0+50°C Installation Housing: screw fastening, Pressure connection: 2 plastic duct connecting nipple with fastening screws and 2 m PVC tube Ø 6 mm (in scope of delivery) Manual zero-point adjustment The zero point adjustment is started by pressing the button on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Protection class	III		
Storage temperature 0+50°C Installation Housing: screw fastening, Pressure connection: 2 plastic duct connecting nipple with fastening screws and 2 m PVC tube Ø 6 mm (in scope of delivery) Manual zero-point adjustment The zero point adjustment is started by pressing the button on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Working range r.H.	098% r.H. in contaminant-free, non-condensing air		
Housing: screw fastening, Pressure connection: 2 plastic duct connecting nipple with fastening screws and 2 m PVC tube Ø 6 mm (in scope of delivery) Manual zero-point adjustment The zero point adjustment is started by pressing the button on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Working temperature	0+50°C		
with fastening screws and 2 m PVC tube Ø 6 mm (in scope of delivery) The zero point adjustment is started by pressing the button on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Storage temperature	0+50°C		
Manual zero-point adjustment The zero point adjustment is started by pressing the button on the circuit board (push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Installation	Housing: screw fastening, Pressure connection: 2 plastic duct connecting nipple		
(push 10 s until LED stops flashing or by the display version the countdown 10-0 is completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.		with fastening screws and 2 m PVC tube Ø 6 mm (in scope of delivery)		
completed). Before, a continuous operation of at least 1 hour must be sure, the offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.	Manual zero-point adjustment	The zero point adjustment is started by pressing the button on the circuit board		
offset must be in the middle position and the pressure inputs P+ and P- must be an obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.		(push 10 s until LED stops flashing or by the display version the countdown 10-0 is		
obvious offense to the environment. The successful calibration will be signalized by 5 sec durable lightning of the LED.		completed). Before, a continuous operation of at least 1 hour must be sure, the		
5 sec durable lightning of the LED.		offset must be in the middle position and the pressure inputs P+ and P- must be an		
		obvious offense to the environment. The successful calibration will be signalized by		
Approvals CE, EAC, RoHS		5 sec durable lightning of the LED.		
	Approvals	CE, EAC, RoHS		



Variants

Article Number				
Pressure	Output pressure	Version		
DMU2/A-I/V1				
0+/-500 Pa	4-20 mA	without display		
DMU2/A-I/V2				
0+/-5000 Pa	4-20 mA	without display		
DMUG/A UD/A				
DMU2/A-U/V1				
0+/-500 Pa	0-10 V	without display		
DMU2/A-U/V2				
0+/-5000 Pa	0-10 V	without display		
DMU2/A-U/V3				
0+/-100 Pa	0-10 V	without display		

Accessories

SAS/D

Hose connection set



motrona AX350

AX350: touchMATRIX® Process Indicator with two 16 bit Analog Inputs



motrona AX020

AX020: Process Indicator for Analog Signals





Dimensional Drawing





