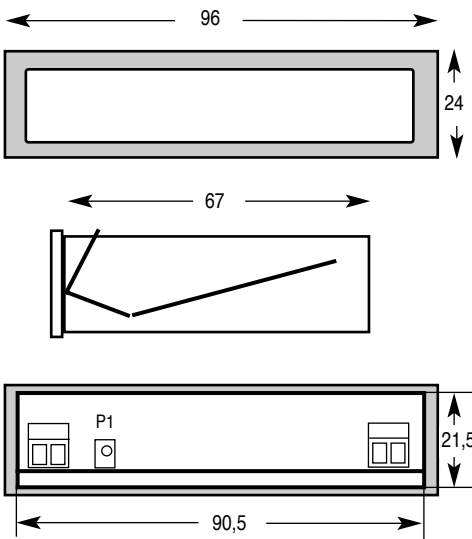


Digital Panel Meter DPM 430

Meas. Display:	30 Digit Light Bar display, LED 5 mm red
Device Housing:	ABS Plastic black
Common Mode:	-0.5... +2V between Voltage supply and measuring voltage
Overload Meas.:	10 times of meas. Voltage range, max 250V
Overload Meas.:	2 times of meas. Current range
Supply Voltage:	5V, 15mA segments 5V, 75mA light bar
Common Mode:	CMRR better 80dB Rejection
Operating Temp.:	-10°C...+50°C
Protection Index:	IP 50 Front IP 00 Rare acc. DIN 40050
Connector Type:	Lift clamps
Front Panel:	H x W = 24 x 96 mm
Front cut-out	H x W = 21,5 x 90,5 mm
Mounting Depth:	D = 67 mm

Mechanical Dimensions:**Settings and Connections**

The measuring range and the supply voltage are indicated on the device label. The devices are twice factory tested and calibrated. The display is established through a chain of 30 LED's. The device can be mounted horizontally or vertically. Scales are provided for the respective mounting directions. Scale divisions 0-30 and 0-100 are offered at no extra cost. The device can be used also without a sale or it can be scaled to customer specification. For measurement adaptations the "scale factor" can be varied through Pot. P1 by about +/- 10% from the end of range.

Important installation hints

The measuring input and the supply are not galvanic separated. Operation of multiple devices from a single power supply is not possible.

DC-Voltage Type 430-001 ... 445-004

Meas. instrument with 30 digit segment display. Accuracy class +/- 1 digit from measuring value. Scaling made to order. Input resistance 1 MOhm. Measuring input and supply connections see sketch.

DC-Current Type 430-020 ... 445-023

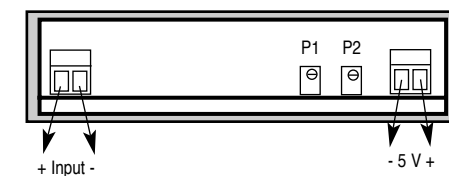
Meas. instrument with 30 digit segment display. Accuracy class +/- 1 digit from measuring value. Scaling made to order. Input resistance Type 020: Ri 100 Ohm. Type 021: Ri 10 Ohm. Type 022: Ri 1 Ohm. Type 023: Ri 0.1 Ohm. Measuring input and supply connections see sketch.

DC-Voltage Type 430-101 ... 430-104

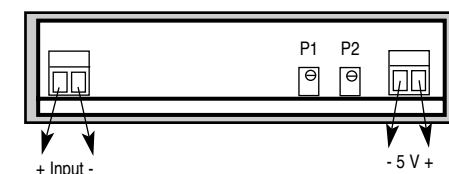
Meas. instrument with 30 digit light bar display. Accuracy class +/- 1 digit from measuring value. Scaling made to order. Input resistance 1 MOhm. Measuring input and supply connections see sketch.

DC-Current Type 430-120 ... 430-123

Meas. instrument with 30 digit light bar display. Accuracy class +/- 1 digit from measuring value. Scaling made to order. Input resistance Type 020: Ri 100 Ohm. Type 021: Ri 10 Ohm. Type 022: Ri 1 Ohm. Type 023: Ri 0.1 Ohm. Measuring input and supply connections see sketch.

**Special Measuring Ranges
Type 430-008 and 430-027/ -029**

These models provide for standard voltage- and current-signals displays for different values. The display ranges are set at factory site according to customer order and are indicated on the device label. Type 430-008/ 0-10V has an input range of 0 – 10V. Type 430-027/0-20mA has an input range of 0 – 20mA. Type 430-029/4-20mA has an input range of 4 – 20mA. Accuracy class +/-0.1% +/- 1 digit from measuring value. Measuring input and supply connections see sketch.

**Type 430-009**

This model provides for standard voltage- and current-signals displays for different values. The ranges can be set by choice symmetrically starting from the center of the display unit, respectively from .. value to .. value. The display ranges are set at factory site according to customer order and are indicated on the device label. Accuracy class +/-0.1% +/- 1 digit from measuring value. Measuring input and supply connections see sketch. This type is only available with segment display unit.

Option: DC/DC-Converter

With this option a galvanic separation between supply voltage and measuring voltage is established.

Converter Input voltage range	
12V/5V	9 - 18V DC
24V/5V	18 - 36V DC

Safety Precautions

Employing these instruments, regulations for working with high voltage equipment, as well as any Professional Trade Association regulation for working with electrical appliances and installations have to be observed.

CE-Guidelines

Meets the EMV Guideline (89/336/EWG) and the German EMV ruling by applying the Basic Standard EN 50081/ EN 50082. Meets the Low Voltage Guideline (73/23/EWG) by applying Product Standard EN 61010.

Guarantee Regulations

Regulations by law apply for guarantee within 6 month. All equipment is factory tested and calibrated. Excluded from the guarantee are normal wear and tear, defects due to misuse, negligence, chemical exposure, mechanical stress as well as equipment, which has been modified, re-labeled or otherwise altered or if attempts to repair have been made. All guarantee claims are subject to our scrutiny and approval.

Service

We are glad that you decided on an instrument from our product range. If there are what so ever any defects, please send the instrument (postage paid) to your distributor. For technical information contact us via

E Mail: info@schwille.de
Technical changes reserved.