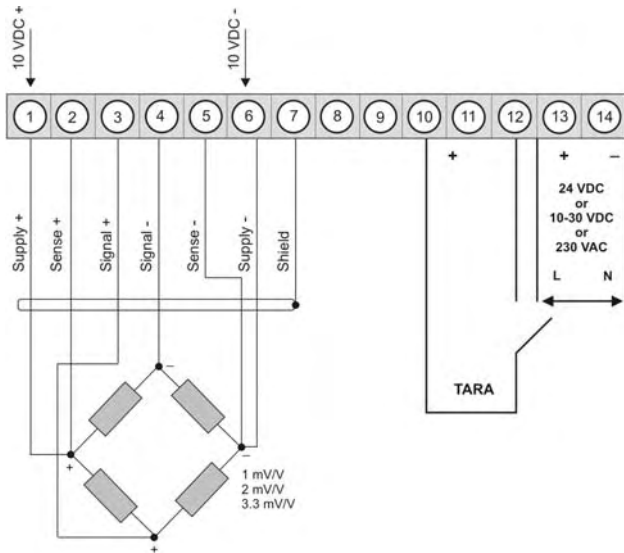




PW5 – 5-digit digital panel meter in 96x48 mm (BxD) Strain gauge amplifier weighing technology for 350 Ω melt pressure sensors

- red display of -19999...99999 Digits; 14 mm digit height
- installation depth: 134 mm without plug-in screw terminal
- DMS-6-wire measurement
- adjustable input amplification for 1 mV/V-, 2 mV/V- or 3.3 mV/V-sensors
- integrated bridge supply for standard 350 Ohm measuring bridges
- permanente wire breackage monitoring
- bipole input range for pressure and tractive forces
- integrated facoty calibration for preset weighing cells
- auto-sensor recognition for 1 mV/V, 2 mV/V and 3.3 mV/V-sensors
- measuring rate with up to 50 measurements/s (measuring time is adjustable from 0.02s...10.00s)
- 24 bit transducer resolution, of which 19 Bit are noiseless (500,000 / 0.0002% of measuring range)
- high long-term and temperature stability
- free selectable scaling and decimal point adjustment
- sensor alignment with up 30 additional support points
- taring-function for manual and automatic control
- fully automatic or semi-automatic calibration functions
- min/max memory with adjustable perment display
- display flashing at threshold exceedance /undercut
- flexible alarm system with adjustable delay times
- programming interlock via access code
- protection class IP54 at the front side
- optional: protection class IP65 at the front side
- optional: plug-in screw terminal
- optional: 2 or 4 relay outputs
- optional: independently scalable analog output
- optional: interface RS232 or RS485
- accessories: PC-based configuration-kit PM-TOOL with CD & USB-adapter

• 6-wire technology for strain gauge amplifier

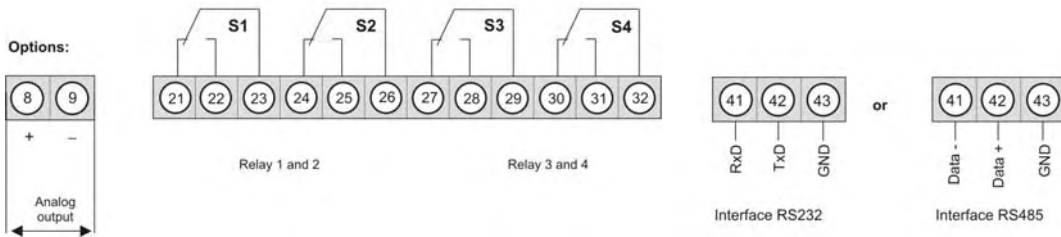


Supply 230 VAC

PW5.020X.1540B

Supply 24 VDC
(galv. insulated)

PW5.020X.1740B



• Product key options

P	W	5.	0	2	0	X.	1	5	4	0	B
P	W	5.	0	2	0	X.	1	7	4	0	B

EUR

2	2 relay outputs
4	4 relay outputs
1	Protection class IP65 at the front
7	Protection class IP65 at the front and plug-in terminal
9	Plug-in terminal
4	115 VAC voltage supply
1	Analog output 0-10 VDC with 230 VAC / 115 VAC Analog output 0-10 VDC with 24 VDC
2	Analog output 0-20 mA with 230 VAC / 115 VAC Analog output 0-20 mA with 24 VDC
3	Analog output 4-20 mA with 230 VAC / 115 VAC Analog output 4-20 mA with 24 VDC
2	Interface RS232 without galvanic insulation
3	Interface RS232 with galvanic insulation with 230 VDC / 115 VAC Interface RS232 with galvanic insulation with 24 VDC
4	Interface RS485 with galvanic insulation with 230 VDC / 115 VAC Interface RS485 with galvanic insulation with 24 VDC

On demand state dimension unit on order, e.g. kg.

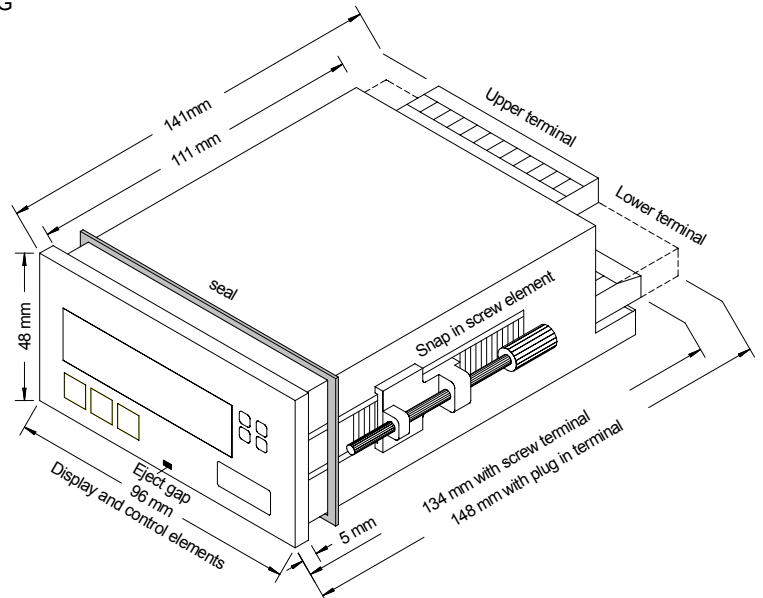
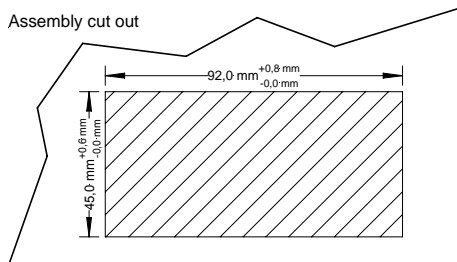
• Parameterisation software

PC based configuration software PM-Tool for devices without keypad, for a simple adjustment of standard devices, incl. CD & USB-adapter. Programming is made via an interface on the back.

PM-TOOL-PX5U5B

• **Technical data**

Dimensions	Housing Panel cut-out Fixing Housing material Protection class Weight Connection	B96 x H48 x D143 mm, including plug-in terminal 92.0 ^{+0.8} x 45.0 ^{+0.6} mm latchable screw element for a wall thickness up to 50 mm PC/ABS-blend, black, UL94V-0 at the front IP54 standard, at the back IP00 approx. 450 g plug-in terminal; wire cross-section up to 2.5 mm ²
Display	Display Digit height Display range Switching points Overflow Underflow Display time	5-digit 14 mm, segment colour: red -9999 to 99999 one LED per switching point horizontal bars at the top horizontal bars at the bottom 0.1 to 10.0 seconds
Measuring input	Measuring range (adjustable) Measuring accuracy (at 1s measuring time) Measuring bridge Bridge supply Input resistance signal Drift of temperature Measuring principle Measuring rate Resolution	± 6 mV/V ± 3.3 mV/V ± 2 mV/V ± 1 mV/V 0.002% of measuring range 0.1% of measuring range 0.75% of measuring range 200 Ω...500 Ω approx. 10 VDC approx. 5 kΩ 20 ppm/K Sigma/Delta 0.01s...10.00s 24 bit, max. 19 Bit RMS
		} Under laboratory conditions in controlled electromagnetic environment in industrial areas.
Output	Relay Switching cycles Analog output (galv. insulated) Sensor supply	with change-over contact 250 V / 5 AAC, 30 V / 5 ADC 30 * 10 ³ at 5 AAC, 5 ADC ohm resistive burden, 10 * 10 ⁶ mechanically Division according to DIN EN50178 / Characteristics according to DIN EN 60255 0-10 VDC (12 bit) burden ≥ 100 kΩ, 0-20 mA (12 bit) burden ≤ 500 Ω 4-20 mA (12 bit) burden ≤ 500 Ω 10 VDC / 20 mA; 24 VDC / 50 mA
Digital input	Input galv. insulated	< 2.4 V OFF; 10 V ON; max. 30 VDC, R _i ~ 5 kΩ
Interface	Protocol RS232 RS485	ASCII manufacturer-specific 9.600 Baud, no parity, 8 DataBit, 1 StopBit, wire length max. 3 m 9.600 Baud, no parity, 8 DataBit, 1 StopBit, wire length max. 1000 m
Power pack	Supply	230 VAC 50/60 Hz/± 10 % (max. 15 VA) 115 VAC 50/60 Hz/± 10 % (max. 15 VA) 24 VDC /± 10 % galv. insulated (max. 15 VA)
Memory	EEPROM	Data life ≥ 100 years at 25°C
Ambient conditions	Working temperature Storing temperature Weathering resistance	0 to + 50 °C -20 to + 80 °C relative humidity 0-85% on years average without dew
CE-sign	Conformity according to directive 2004/108/EG	
EMV	EN 61326, EN 55011	
Safety standard	EN 61010	



• Ordering code

	P	W.	5	0	2	0	X.	1	5	9	0	B	
Processor device													Version B Version B
Standard type 6-wire technology		W											Setpoints 0 no setpoint 2 2 relay outputs 4 4 relay outputs
Number of digits 5 digits			5										Mechanical options 1 IP65, foil keyboard, screw terminal 4 IP54, foil keyboard, screw terminal 7 IP65, foil keyboard, plug-in terminal 9 IP54, foil keyboard, plug-in terminal
Interface no interface RS232 RS232 (galv. insulated) RS485 (galv. insulated)													
Sensor supply Bridge supply 10 VDC													Power supply 4 115 VAC 5 230 VAC 7 24 VDC (galv. insulated)
Outputs no output 0-10 V 0-20 mA 4-20 mA													Size of housing 1 96x48 mm (BxH)
													Measuring input X 1 mV/V, 2 mV/V, 3.3 mV/V