

Analog Signal Conditioners

picoPak V/I
Voltage Input / 0...5 V
Terminal Block



picoPak V/V
Voltage Input / 0...5 V
Terminal Block



picoPak V/I
Voltage Input / ±10 mV
Terminal Block



Ordering Data	picoPak V/I		picoPak V/V		picoPak V/I	
	Type	Part No.	Type	Part No.	Type	Part No.
Screw clamp for TS 35 rail						
Screw clamp for TS 32 rail						
Screw clamp for combi-foot, TS 35 or TS 32 rail	picoPak V/I	998310	picoPak V/V	998314	picoPak V/I	998411
Tension clamp for TS 35 rail						
Technical Data	Input signal type	Voltage	Voltage	Voltage	Voltage	Voltage
Material or excitation						
Input range (min...max.)		0...5 V*	0...5 V*	±10 mV*		
Input impedance		100 kΩ min.	100 kΩ min.	100 kΩ min.		
Line resistance						
Input maximum						
Supply voltage (min./max.)		15...30 VDC	15...30 VDC	15...30 VDC		15...30 VDC
Supply current (min./max.)		25...45 mA	25...30 mA	25...30 mA		25...45 mA
Current/power consumption						
Power requirements		External	External	External		External
Continuous current rating						
Response or switching freq. max.						
Supply current to PT 100 sensor						
Zero setting (4.0 mA) adjustment						
Span adjustment (20 mA)						
Output signal type		Current	Voltage	Current		Current
Output range		4...20 mA*	0...10 V*	4...20 mA*		
Output load/loop resistance		600 Ω max.	2 kΩ min., 4 kΩ min.	600 Ω max.		
Output supply voltage (min./max.)						
Output supply current (max.)						
Cold junction comp error						
Common mode rejection						
Accuracy input/output		0.05% of full scale nominal, 0.2% max. for voltage output	0.05% of full scale nominal, 0.2% max. for voltage output	0.05% of full scale nominal, 0.2% max. for voltage output		0.05% of full scale nominal, 0.2% max. for voltage output
Linearity input/output						
Temperature coefficient						
Transmission frequency		10 Hz	10 Hz	10 Hz		10 Hz
Coupling method		Optically Isolated	Optically Isolated	Optically Isolated		Optically Isolated
Cross-connections on pin						
Operating Specifications						
Dielectric isolation input to output		1500 VAC RMS, 3 port	1500 VAC RMS, 3 port	1500 VAC RMS, 3 port		1500 VAC RMS, 3 port
Dielectric isolation I/O to power supply						
Dielectric isolation I/O to DIN-rail						
Storage temperature range		-40°C...+85°C	-40°C...+85°C	-40°C...+85°C		-40°C...+85°C
Operating temperature range		-40°C...+75°C	-40°C...+75°C	-40°C...+75°C		-40°C...+75°C
Relative humidity (non-condensing)						
Wire size		#26...12 AWG / 0.5...2.5 mm ²	#26...12 AWG / 0.5...2.5 mm ²	#26...12 AWG / 0.5...2.5 mm ²		#26...12 AWG / 0.5...2.5 mm ²
Clamp screw tightening torque Nm (lb.in.)		0.6 (5.31)	0.6 (5.31)	0.6 (5.31)		0.6 (5.31)
Mechanical dimensions (WxLxH) mm (in.)		12x88x68 (.47x3.46x2.68)	12x88x68 (.47x3.46x2.68)	12x88x68 (.47x3.46x2.68)		12x88x68 (.47x3.46x2.68)
Dimensional diagram		Page 404 Fig. 4	Page 404 Fig. 4	Page 404 Fig. 4		Page 404 Fig. 4
Insulation stripping length mm (in.)						
Certification standards		UL, CSA, CE	UL, CSA, CE	UL, CSA, CE		UL, CSA, CE
Accessories	Type	Part No.	Type	Part No.	Type	Part No.
End plate side cover	-	-	-	-	-	-
PC software kit†	-	998471	-	998471	-	998471
Cross-connection, black						
Cross-connection, red						
Cross-connection, blue						
Cross-connection, yellow						