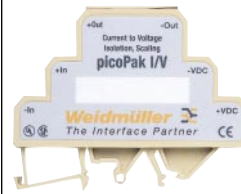


# Analog Signal Conditioners

**picoPak I/V**  
Current Input / 0...1 mA  
Terminal Block



**picoPak I/V**  
Current Input / 0...1 mA  
Terminal Block



**picoPak I/I**  
Current Input / 0...5 mA  
Terminal Block



Ordering Data	picoPak I/V		picoPak I/V		picoPak I/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 I/V	998302	picoPak I/V	998303	picoPak I/I	998299
Tension clamp for TS 35 rail						
Technical Data	Input signal type	Current	Current	Current	Current	Current
Material or excitation						
<b>Input range (min...max.)</b>	<b>0...1 mA*</b>		<b>0...1 mA*</b>		<b>0...5 mA*</b>	
Input impedance	82.5 Ω max.		82.5 Ω max.		82.5 Ω max.	
Line resistance						
Input maximum						
Supply voltage (min./max.)	15...30 VDC		15...30 VDC		15...30 VDC	
Supply current (min./max.)	25...30 mA		25...30 mA		2...45 mA	
Current/power consumption						
<b>Power requirements</b>	<b>External</b>		<b>External</b>		<b>External</b>	
Continuous current rating						
Response or switching freq. max.						
Supply current to PT 100 sensor						
Zero setting (4.0 mA) adjustment						
Span adjustment (20 mA)						
<b>Output signal type</b>	<b>Voltage</b>		<b>Voltage</b>		<b>Current</b>	
<b>Output range</b>	<b>0...5 V*</b>		<b>0...10 V*</b>		<b>4...20 mA*</b>	
Output load/loop resistance	2 kΩ min., 4 kΩ min.		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	
Linearity input/output						
Temperature coefficient						
Transmission frequency	10 Hz		10 Hz		10 Hz	
<b>Coupling method</b>	<b>Optically Isolated</b>		<b>Optically Isolated</b>		<b>Optically Isolated</b>	
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	
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	
Operating temperature range	-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 <sup>2</sup>		#26...12 AWG / 0.5...2.5 mm <sup>2</sup>		#26...12 AWG / 0.5...2.5 mm <sup>2</sup>	
Clamp screw tightening torque Nm (lb.in.)	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)	
Dimensional diagram	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	
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						