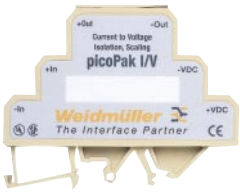
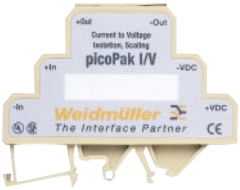
Analog Signal Conditioners

	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	**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**	
Material or excitation						
Input range (min…max.)	**0...1 mA***		**0...1 mA***		**0...5 mA***	
Input impedence	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						
Power requirements	**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	**Voltage**		**Voltage**		**Current**	
Output range	**0…5 V***		**0…10 V***		**4…20 mA***	
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,		0.05% of full scale nominal,		0.05% of full scale nominal,	
	0.2% max. for voltage output		0.2% max. for voltage output		0.2% max. for voltage output	
Linearity input/output						
Temperature coefficient						
Transmission frequency	10 Hz		10 Hz		10 Hz	
Coupling method	**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	
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 mm²		#26...12 AWG / 0.5…2.5 mm²		#26...12 AWG / 0.5…2.5 mm²	
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						

*Consult factory for custom configurations.
†Kit includes PC based Windows® software, cable and configuration manual.

picoPak I/I Current Input / 0…5 mA Terminal Block	**picoPak I/V** Current Input / 0…5 mA Terminal Block	**picoPak I/I** Current Input / ±10 mA Terminal Block	**picoPak I/V** Current Input / ±10 mA Terminal Block	**picoPak I/I** Current Input / ±20 mA Terminal Block
				
Type **Part No.**	**Type** **Part No.**	**Type** **Part No.**	**Type** **Part No.**	**Type** **Part No.**
picoPak I/I **998295**	picoPak I/V **998304**	picoPak I/I **998406**	picoPak I/V **998408**	picoPak I/I **998407**
Current	**Current**	**Current**	**Current**	**Current**
0...5 mA*	**0...5 mA***	**±10 mA***	**±10 mA***	**±20 mA***
82.5 Ω max.	82.5 Ω max.	82.5 Ω max.	82.5 Ω max.	82.5 Ω max.
15...30 VDC	15...30 VDC	15...30 VDC	15...30 VDC	15...30 VDC
2...45 mA	25...30 mA	2...45 mA	25...30 mA	2...45 mA
External	**External**	**External**	**External**	**External**
Current	**Voltage**	**Current**	**Voltage**	**Current**
0...20 mA*	**0...10 V***	**4...20 mA***	**0...10 V***	**4...20 mA***
600 Ω max.	2 kΩ min., 4 kΩ min.	600 Ω max.	2 kΩ min., 4 kΩ min.	600 Ω max.
0.05% of full scale nominal,	0.05% of full scale nominal,	0.05% of full scale nominal,	0.05% of full scale nominal,	0.05% of full scale nominal,
0.2% max. for voltage output	0.2% max. for voltage output	0.2% max. for voltage output	0.2% max. for voltage output	0.2% max. for voltage output
10 Hz	10 Hz	10 Hz	10 Hz	10 Hz
Optically Isolated	**Optically Isolated**	**Optically Isolated**	**Optically Isolated**	**Optically Isolated**
1500 VAC RMS, 3 port	1500 VAC RMS, 3 port	1500 VAC RMS, 3 port	1500 VAC RMS, 3 port	1500 VAC RMS, 3 port
-40°C...+85°C	-40°C...+85°C	-40°C...+85°C	-40°C...+85°C	-40°C...+85°C
-40°C...+75°C	-40°C...+75°C	-40°C...+75°C	-40°C...+75°C	-40°C...+75°C
#26...12 AWG / 0.5…2.5 mm²	#26...12 AWG / 0.5…2.5 mm²	#26...12 AWG / 0.5…2.5 mm²	#26...12 AWG / 0.5…2.5 mm²	#26...12 AWG / 0.5…2.5 mm²
0.6 (5.31)	0.6 (5.31)	0.6 (5.31)	0.6 (5.31)	0.6 (5.31)
12x88x68 (.47x3.46x2.68)	12x88x68 (.47x3.46x2.68)	12x88x68 (.47x3.46x2.68)	12x88x68 (.47x3.46x2.68)	12x88x68 (.47x3.46x2.68)
Page 404 Fig. 4	Page 404 Fig. 4	Page 404 Fig. 4	Page 404 Fig. 4	Page 404 Fig. 4
UL, CSA, CE	UL, CSA, CE	UL, CSA, CE	UL, CSA, CE	UL, CSA, CE
Type **Part No.**	**Type** **Part No.**	**Type** **Part No.**	**Type** **Part No.**	**Type** **Part No.**
- -	- -	- -	- -	- -
- **998471**	- **998471**	- **998471**	- **998471**	- **998471**

*Consult factory for custom configurations.