

IsoPAQ Selection Tables

Isolators & Transmitter Repeaters	IsoPAQ-11L Loop Powered Isolator € Page 44	IsoPAQ-12L Loop Powered Isolator € Page 44	IsoPAQ-110L Loop Powered Isolator <i>COMPACTLINE</i> € Page 46	IsoPAQ-21L Loop Powered Isolator ★★★★★ Page 48	IsoPAQ-22L Loop Powered Isolator ★★★★★ Page 48	IsoPAQ-110R Transmitter Repeater <i>COMPACTLINE</i> € Page 50	
	One channel	●		●	●		●
	Two channels		●	●		●	
Passive input	●	●	●	●	●		
Active input / Transmitter supply						●	
Power supply	No	No	No	No	No	15...30 VDC	
Input signal	0(4)...20 mA	0(4)...20 mA	0(4)...20 mA	0(4)...20 mA	0(4)...20 mA	4...20 mA	
Output signal	0(4)...20 mA	0(4)...20 mA	0(4)...20 mA	0(4)...20 mA	0(4)...20 mA	4...20 mA	
Typical accuracy	±0.1 % FS	±0.1 % FS	±0.15 % FS	±0.1 % FS	±0.1 % FS	±0.1 % FS	
Isolation level	1.5 kV, 50 Hz	1.5 kV, 50 Hz	2.5 kV, 50 Hz	4 kV, 50 Hz	4 kV, 50 Hz	2.5 kV, 50 Hz	
Working voltage			600 VAC/DC	600 VAC/DC	600 VAC/DC	600 VAC/DC	
Protective separation			●	●	●	●	
Response time	< 5 ms	< 5 ms	< 5 ms	< 5 ms	< 5 ms	< 10 ms	
Voltage drop	< 2.0 V	< 2.0 V	< 3.0 V	< 2.0 V	< 2.0 V	< 5.0 V	
Operation temperature	-20...+70 °C	-20...+70 °C	0...+55 °C	-20...+70 °C	-20...+70 °C	0...+55 °C	
Plug-in screw terminals	●	●		●	●		
Housing width	12.5 mm	12.5 mm	11.2 mm	12.5 mm	12.5 mm	11.2 mm	
Installation depth	104 mm	104 mm	60 mm	104 mm	104 mm	60 mm	

Isolation Transmitters	IsoPAQ-30P Universal € Page 52	IsoPAQ-131P <i>COMPACTLINE</i> € Page 54	IsoPAQ-32P Isolation Signal Splitter ★★★★★ Page 56	IsoPAQ-40P Universal ★★★★★ Page 58	IsoPAQ-41P ★★★★★ Page 60	IsoPAQ-51P ★★★★★ Page 62	IsoPAQ-161P <i>COMPACTLINE</i> € Page 64	IsoPAQ-60P Universal ★★★★★ Page 66	IsoPAQ-70S Universal € Page 68	IsoPAQ-80S Universal ★★★★★ Page 70	
	Input signal	0...20 mA 4...20 mA 0...10 V	0...20 mA 4...20 mA 0...10 V	I: 0...20 mA 4...20 mA 0...5 V 0...10 V II: 0...20 mA 4...20 mA 0...5 V 0...10 V	0...20 mA 4...20 mA 0...10 V	0...20 mA 4...20 mA 0...10 V	0(4)...20 mA	±10 mA ±20 mA ±5 V ±10 V 0...5 V	±10 mA ±20 mA 0(2)...10 mA 0(4)...20 mA ±5 V ±10 V 0(1)...5 V 0(2)...10 V	0...60 mV 0...150 mV	±60 mV to ±500 mV 0...60 mV to 0...500 mV
	Outputs signal	0...20 mA 4...20 mA 0...10 V	0...20 mA 4...20 mA 0...10 V	I: 0...20 mA 4...20 mA 0...5 V 0...10 V II: 0...20 mA 4...20 mA 0...5 V 0...10 V	0...20 mA 4...20 mA 0...10 V	0...20 mA 4...20 mA 0...10 V	0(4)...20 mA	0...20 mA ±20 mA 4...20 mA 0...5 V 0...10 V	±10 mA ±20 mA 0(2)...10 mA 0(4)...20 mA ±5 V ±10 V 0(1)...5 V 0(2)...10 V	0...20 mA 4...20 mA 0...10 V	±10 mA ±20 mA 0(2)...10 mA 0(4)...20 mA ±5 V ±10 V 0(1)...5 V 0(2)...10 V
Bipolar input							●	●		●	
Bipolar output								●		●	
Calibrated range selection	●			●					●		
Range selection								●		●	
Fixed ranges		●	●		●	●	●				
Zero / Span adjustment						●		●		●	
Typical accuracy	±0.3 % FS	±0.2 % FS	±0.1 % FS	±0.1 % FS	±0.1 % FS	±0.1 % FS	±0.2 % FS	±0.1 % FS	±0.3 % FS	±0.1 % FS	
Isolation level	2.5 kV, 50 Hz	2.5 kV, 50 Hz	2.5 kV, 50 Hz	4 kV, 50 Hz	4 kV, 50 Hz	4 kV, 50 Hz	2.5 kV, 50 Hz	4 kV, 50 Hz	2.5 kV, 50 Hz	4 kV, 50 Hz	
Working voltage	600 VAC/DC	600 VAC/DC	600 VAC/DC	600 VAC/DC	600 VAC/DC	600 VAC/DC	600 VAC/DC	1000 VAC/DC	600 VAC/DC	1000 VAC/DC	
Protective separation		●	●	●	●	●	●	●		●	
Response time, Cut-off frequency	1 kHz	< 5 ms	< 5 ms	30 Hz/1 kHz switch select.	1 kHz	1 kHz	< 5 ms	30 Hz/10 kHz switch select.	1 kHz	30 Hz/10 kHz switch select.	
Power supply	20-253 VAC/DC	24 VAC/DC	24 VDC	20-253 VAC/DC	20-253 VAC/DC	20-253 VAC/DC	24 VAC/DC	20-253 VAC/DC	20-253 VAC/DC	20-253 VAC/DC	
Operation temperature	-10...+60 °C	0...+55 °C	-10...+60 °C	-20...+70 °C	-20...+70 °C	-20...+70 °C	0...+55 °C	-20...+70 °C	-10...+60 °C	-20...+70 °C	
Plug-in screw terminals	●		●	●	●	●		●	●	●	
Housing width	12.5 mm	11.2 mm	12.5 mm	12.5 mm	12.5 mm	12.5 mm	11.2 mm	12.5 mm	12.5 mm	12.5 mm	
Installation depth	104 mm	60 mm	104 mm	104 mm	104 mm	104 mm	60 mm	104 mm	104 mm	104 mm	

€ Cost-optimized

★★★★★ High Performance