

deciPak Signal

Conditioner Summary



The deciPak family of analog signal conditioners are economical modules with fixed input and output ranges. Modules are either 22.5mm or 45mm wide and mount on both 32mm and 35mm DIN rails. There are modules with analog inputs and outputs as well as modules with analog inputs and set-point relay outputs.

All are CE marked and many are UL recognized and cUL approved. Many feature 3 port isolation. In some cases modules are available for 24Vdc, 120Vac and 230Vac powering. In applications where only one or two signal conditioners are required it may be economical to use an AC powered unit instead of adding a DC power supply to power the DC versions.

For complete specifications please contact Weidmüller and request a copy (electronic or printed) of the appropriate data sheet.

Canada

W Interconnections Canada Inc.
10 Spy Court
Markham, Ontario L3R 5H6
Telephone: (800) 268-4080
Facsimile: (905) 475-2798
Email: info1@weidmuller.ca
Website: www.weidmuller.ca

United States



W Interconnections, Inc.
821 Southlake Blvd.
Richmond, Virginia 23236
Telephone: (800) 849-9343
Facsimile: (804) 379-2593
Email: info@weidmuller.com
Website: www.weidmuller.com

Mexico

W Interconnections, S.A. de C.V.
Ave Ingenieros Civiles #204
Conjunto Industrial Chachapa
72990 Puebla, Pue. Mexico
Telephone: (222) 286 62 47
Facsimile: (222) 286 62 42
Website: www.weidmuller.com.mx




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deciPak Product Matrix

Input Type	Input Range	Output Range	Auxiliary Supply	Input to Output Isolation	Catalog Number	Output Configuration	Other Features
DC Current 	0-1mA	4-20mA	-	2000V	7940005523 formerly 992061	2 wire 8.5-40Vdc	Loop powered output
	4-20mA	4-20mA	-	2000V	7940005522 formerly 992060	2 wire 8.5-40Vdc	Loop Powered output
	4-20mA	4-20mA	-	2000V	7940005521 formerly 992059	Input loop powered	No auxiliary supply on output
	4-20mA	4-20mA	120Vac	2000V, 3 port	7940005471 formerly 992011	4 wire	AC powered
	4-20mA	4-20mA	230Vac	2000V, 3 port	7940005472 formerly 992012	4 wire	AC powered
	4-20mA	4-20mA	9-70Vdc	2000V, 3 port	7940005473 formerly 992013	4 wire	DC powered
	4-20mA	0-10Vdc	120Vac	2000V, 3 port	7940005477 formerly 992017	4 wire	AC powered
	4-20mA	0-10Vdc	230Vac	2000V, 3 port	7940005478 formerly 992018	4 wire	AC powered
	4-20mA	0-10Vdc	9-70Vdc	2000V, 3 port	7940005479 formerly 992019	4 wire	DC powered
DC Voltage 	0-100mVdc	4-20mA	-	2000V	7940005531 formerly 992070	2 wire 8.5-40Vdc	Loop powered output
	0-10mVdc	4-20mA	-	2000V	7940005529 formerly 992067	2 wire 8.5-40Vdc	Loop powered output
	0-10Vdc	4-20mA	-	2000V	7940005528 formerly 992066	4 wire	Loop powered output
	0-10Vdc	4-20mA	120Vac	2000V, 3 port	7940005496 formerly 992035	4 wire	AC powered
	0-10Vdc	4-20mA	230Vac	2000V, 3 port	7940005498 formerly 992036	4 wire	AC powered
	0-10Vdc	4-20mA	9-70Vdc	2000V, 3 port	7940005499 formerly 992037	4 wire	DC powered
	0-10Vdc	0-20mA	120Vac	2000V, 3 port	7940005500 formerly 992038	4 wire	AC powered
	0-10Vdc	0-20mA	230Vac	2000V, 3 port	7940005501 formerly 992039	4 wire	AC powered

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DC voltage 	0-10Vdc	0-20mA	9-70Vdc	2000V, 3 port	7940005502 formerly 992040	4 wire	DC powered
	0-10Vdc	0-10Vdc	120Vac	2000V, 3 port	7940005503 formerly 992041	4 wire	AC powered
	0-10Vdc	0-10Vdc	230Vac	2000V, 3 port	7940005504 formerly 992042	4 wire	AC powered
	0-10Vdc	0-10Vdc	9-70Vdc	2000V, 3 port	7940005505 formerly 992043	4 wire	DC powered
	0-10Vdc	0-5Vdc	120Vac	2000V, 3 port	7940005506 formerly 992044	4 wire	AC powered
	0-10Vdc	0-5Vdc	230Vac	2000V, 3 port	7940005507 formerly 992045	4 wire	AC powered
	0-10Vdc	0-5Vdc	9-70Vdc	2000V, 3 port	7940005508 formerly 992046	4 wire	DC powered
	0-1Vdc	4-20mA	-	2000V	7940005525 formerly 992063	2 wire 8.5-40Vdc	Loop powered output
	0-500mVdc	4-20mA	-	2000V	7940005532 formerly 992071	2 wire 8.5-40Vdc	Loop powered output
	0-50mVdc	4-20mA	-	2000V	7940005577 formerly 992068	2 wire 8.5-40Vdc	Loop powered output
	0-75mVdc	4-20mA	-	2000V	7940005530 formerly 992069	2 wire 8.5-40Vdc	Loop powered output
RTD 	Pt100, 0-100°C	4-20mA	-	2000V	7940005534 formerly 992073	2 wire 8.5-40Vdc	Loop powered output, linearized to temperature input
	Pt100, 0-150°C	4-20mA	-	2000V	7940005535 formerly 992074	2 wire 8.5-40Vdc	Loop powered output, linearized to temperature input
	Pt100, 0-200°C	4-20mA	-	2000V	7940005536 formerly 992075	2 wire 8.5-40Vdc	Loop powered output, linearized to temperature input
	Pt100, 0-250°C	4-20mA	-	2000V	7940005537 formerly 992076	2 wire 8.5-40Vdc	Loop powered output, linearized to temperature input
	Pt100, 0-300°C	4-20mA	-	2000V	7940005538 formerly 992077	2 wire 8.5-40Vdc	Loop powered output, linearized to temperature input
	Pt100, 0-50°C	4-20mA	-	2000V	7940005533 formerly 992072	2 wire 8.5-40Vdc	Loop powered output, linearized to temperature input
Thermocouple 	Type J, 0-1000°C	4-20mA	-	2000V	7940005545 formerly 992084	2 wire 8.5-40Vdc	Loop powered output, linearized to mV input.
	Type J, 0-1200°C	4-20mA	-	2000V	7940005546 formerly 992085	2 wire 8.5-40Vdc	Loop powered output, linearized to mV input
	Type J, 0-250°C	4-20mA	-	2000V	7940005543 formerly 992082	2 wire 8.5-40Vdc	Loop powered output, linearized to mV input
	Type J, 0-500°C	4-20mA	-	2000V	7940005544 formerly 992083	2 wire 8.5-40Vdc	Loop powered output, linearized to mV input.
	Type K, 0-1000°C	4-20mA	-	2000V	7940005541 formerly 992080	2 wire 8.5-40Vdc	Loop powered output, linearized to mV input.

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Input Type	Input Range	Output Range	Auxiliary Supply	Input to Output Isolation	Catalog Number	Output Configuration	Other Features
Thermocouple	Type K, 0-1200°C	4-20mA	-	2000V	7940005542 formerly 992081	2 wire 8.5-40Vdc	Loop powered output, linearized to mV input
	Type K, 0-250°C	4-20mA	-	2000V	7940005539 formerly 992078	2 wire 8.5-40Vdc	Loop powered output, linearized to mV input
	Type K, 0-500°C	4-20mA	-	2000V	7940005540 formerly 992079	2 wire 8.5 40Vdc	Loop powered output, linearized to mV Input
Potentiometer 	0-350Ω to 0-10kΩ	4-20mA	-	-	7940005555 formerly 992094	2 wire 8.5-40Vdc	Loop powered output, non-isolated
	0-350Ω to 0-10kΩ	4-20mA	-	2000V	7940005556 formerly 992095	2 wire 8.5-40Vdc	Loop powered output, Isolated
AC Current 	0-1Aac/0-5Aac selectable	4-20mA	-	2000V	7940005554 formerly 992093	2 wire 8.5-40Vdc	Loop powered output
AC Voltage 	0-125Vac	4-20mA	-	2000V	7940005551 formerly 992090	2 wire 8.5-40Vdc	Loop powered output
	0-250Vac	4-20mA	-	2000V	7940005552 formerly 992091	2 wire 8.5-40Vdc	Loop powered output
	0-450vac	4-20mA	-	2000V	7940005553 formerly 992092	2 wire 8.5-40Vdc	Loop powered output