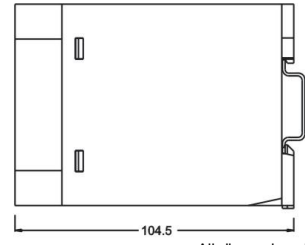
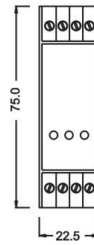


## ANALOG SIGNAL CONVERTERS / ISOLATORS



All dimensions in mm

<b>AUX SUPPLY</b>	24VDC, 100mA maximum , Range : 18-32VDC , Ripple : 1.0 Volt P-P max											
<b>OPERATING AMBIENT</b>	15~35°C, 95% RH non-condensing.											
<b>STORAGE TEMPERATURE</b>	-20°C to 85°C											
<b>ISOLATION</b>	Between I/P & O/P, 1.5KVAC Between I/P & Aux Supply, 1.5KVAC Between O/P & Aux Supply, 1.5KVAC											
<b>INDICATION</b>	Power on LED											
<b>ADJUSTMENT</b>	Zero & Span adjustments on front											
<b>RESPONSE TIME</b>	< 15 ms											
<b>INPUT</b>	<b>DC Voltage</b>			<b>Current (mA DC)</b>			<b>Thermocouple J / K Type</b>			<b>RTD - PT100</b>		
<b>OUTPUT</b>	<ul style="list-style-type: none"> <li>• 0-10VDC, 20mA maximum</li> <li>• 4-20mA, 500Ω load maximum</li> <li>• 0-5VDC, 20mA maximum</li> </ul>											
<b>ACCURACY</b>	+/- 0.7% of Full Scale@35°C ambient temperature			+/- 0.7% of Full Scale@35°C ambient temperature			+/- 0.7% of Full Scale@35°C ambient temperature + Thermocouple linearity error, +/- Cold junction compensation of 2°C			+/- 0.7% of Full Scale@35°C ambient temperature		
	For standard products, accuracy specified is for 15~35°C ambient. Add suffix -ET ( Extended Temperature) to the order code for 0~50°C ambient.											
<b>INPUT IMPEDANCE</b>	10V : 100K Ohm			20mA : 10 Ohm			-			-		
<b>MAX. INPUT</b>	100V			30mA			10VDC			1VDC		
<b>PROTECTION</b>	Output short circuit current = 30mA max											
<b>CONNECTION DIAGRAM</b>												
	Refer Note											
<b>ORDERING INFORMATION</b>	<b>Input</b>	<b>Output</b>	<b>Order Code</b>	<b>Input</b>	<b>Output</b>	<b>Order Code</b>	<b>Input</b>	<b>Output</b>	<b>Order Code</b>	<b>Input</b>	<b>Output</b>	<b>Order Code</b>
	0-20 mV	0-10VDC 4-20mA	AS746-101 AS746-102	0-20 mA	0-10VDC 4-20mA	AS746-151 AS746-152	K type, 0-300°C	0-10VDC 4-20mA	AS746-201 AS746-202	PT-100, -100 to +100°C	0-10VDC 4-20mA	AS746-301 AS746-302
	0-75 mV	0-10VDC 4-20mA	AS746-103 AS746-104	4-20mA <sup>(1)</sup>	0-10VDC 4-20mA	AS746-153 AS746-154	K type, 0-400°C	0-10VDC 4-20mA	AS746-203 AS746-204	PT-100, -50 to +50°C	0-10VDC 4-20mA	AS746-303 AS746-304
	0-1 VDC	0-10VDC 4-20mA	AS746-105 AS746-106	4-20mA <sup>(1)</sup>	0-5VDC	AS746-601	K type, 0-500°C	0-10VDC 4-20mA	AS746-205 AS746-206	PT-100, 0-100°C	0-10VDC 4-20mA	AS746-305 AS746-306
	0-2 VDC	0-10VDC 4-20mA	AS746-107 AS746-108	Note 1- Voltage across S+, S- : 15 – 18VDC (25mA max)			K type, 0-600°C	0-10VDC 4-20mA	AS746-207 AS746-208	PT100, 0-200°C	0-10VDC 4-20mA	AS746-307 AS746-308
	0-2.5 VDC	0-10VDC 4-20mA	AS746-109 AS746-110				K type, 0-700°C	0-10VDC 4-20mA	AS746-223 AS746-224	PT-100, 0-300°C	0-10VDC 4-20mA	AS746-309 AS746-310
	0-5 VDC	0-10VDC 4-20mA	AS746-111 AS746-112	<b>Thermocouple J / K Type</b>			K type, 0-800°C	0-10VDC 4-20mA	AS746-209 AS746-210	PT100, 0-400°C	0-10VDC 4-20mA	AS746-311 AS746-312
	-3/0 to +10VDC	-3/0 to +10VDC	AS746-113	<b>Input</b>	<b>Output</b>	<b>Order Code</b>	K type, 0-1000°C	0-10VDC 4-20mA	AS746-211 AS746-212	PT-100, 0-500°C	0-10VDC 4-20mA	AS746-313 AS746-314
	0-10 VDC	4-20mA	AS746-114	K type, -200 to +200°C	0-10VDC 4-20mA	AS746-215 AS746-216	K type, 0-1200°C	0-10VDC 4-20mA	AS746-213 AS746-214	PT-100, 0-600°C	0-10VDC 4-20mA	AS746-315 AS746-316
	0-50 VDC	0-10VDC	AS746-115	K type, -100 to +100°C	0-10VDC 4-20mA	AS746-217 AS746-218	J type, 0-300°C	0-10VDC 4-20mA	AS746-226 AS746-227	PT-100, 0-700°C	0-10VDC 4-20mA	AS746-317 AS746-318
	0-100VDC	0-10VDC	AS746-117	K type, 0-100°C	0-10VDC 4-20mA	AS746-219 AS746-220	J type, 0-500°C	0-10VDC 4-20mA	AS746-228 AS746-229	PT-100, 0-800°C	0-10VDC 4-20mA	AS746-319 AS746-320
	0-200VDC	0-10VDC	AS746-120	K type, 0-200°C	0-10VDC 4-20mA	AS746-221 AS746-222	J type, 0-700°C	0-10VDC 4-20mA	AS746-230 AS746-231	PT-100, -50 to +200°C	0-10VDC 4-20mA	AS746-321 AS746-322
	0-15VDC	0-10VDC	AS746-602		0-5VDC	AS746-603	J type, 0-800°C	0-10VDC 4-20mA	AS746-232 AS746-233			
	For standard products, accuracy specified is for 15~35°C ambient. Add suffix -ET ( Extended Temperature) to the order code for 0~50°C ambient.											