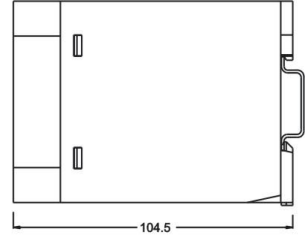
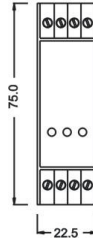


ANALOG SIGNAL CONVERTERS / ISOLATORS



All dimensions in mm

AUX SUPPLY	24VDC, 100mA maximum, Range : 18-32VDC, Ripple : 1.0 Volt P-P max
OPERATING AMBIENT	15-35°C, 95% RH non-condensing.
STORAGE TEMPERATURE	-20°C to 85°C
ISOLATION	Between I/P & O/P, 1.5KVAC Between I/P & Aux Supply, 1.5KVAC Between O/P & Aux Supply, 1.5KVAC
INDICATION	Power on LED
ADJUSTMENT	Zero & Span adjustments on front
RESPONSE TIME	< 15 ms
OUTPUT RIPPLE & NOISE	Less than 1% of Span

INPUT	DC Voltage	Current (mA DC)	Thermocouple J / K Type	RTD - PT100
OUTPUT	<ul style="list-style-type: none"> 0-10VDC, 20mA maximum 4-20mA, 500Ω load maximum 0-5VDC, 20mA maximum 			
ACCURACY	+/- 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.				
INPUT IMPEDANCE	10V : 100K Ohm	20mA : 10 Ohm	-	-
MAX. INPUT	100V	30mA	10VDC	1VDC
PROTECTION	Output short circuit current = 30mA max			

CONNECTION DIAGRAM				
	<p>A: 2 Wire sensor loop power B: 2 Wire sensor source type C: 4 Wire sensor</p>		<p>NOTE: To use PT-100 (2W type) sensor short terminal No. 3 & 4 at input.</p>	

	Input	Output	Order Code	Input	Output	Order Code	Input	Output	Order Code	Input	Output	Order Code
		0-20 mV *	0-10VDC 4-20mA	AS746-101 AS746-102	0-20 mA	0-10VDC 4-20mA	AS746-151 AS746-152	Thermocouple K Type			PT-100, -100 to +100°C	0-10VDC 4-20mA
	0-75 mV	0-10VDC 4-20mA 0-5VDC	AS746-103 AS746-104 AS746-610	0-500mA	0-10V DC 0-10VDC 4-20mA	AS746-608 AS746-609 AS746-153	K type, -200 to +200°C	0-10VDC 4-20mA	AS746-215 AS746-216	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 ⁽¹⁾	0-10VDC 4-20mA 0-5VDC	AS746-154 AS746-601	K type, -100 to +100°C	0-10VDC 4-20mA	AS746-217 AS746-218	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 18V, 0V : 15 - 18VDC (25mA max)			K type, 0-100°C	0-10VDC 4-20mA	AS746-219 AS746-220	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, 0-200°C	0-10VDC 4-20mA 0-5VDC	AS746-221 AS746-222 AS746-603	PT-100, 0-300°C	0-10VDC 4-20mA	AS746-201 AS746-202
	0-5 VDC	0-10VDC 4-20mA 0-5VDC	AS746-111 AS746-112 AS746-121				K type, 0-300°C	0-10VDC 4-20mA	AS746-203 AS746-204	PT100, 0-400°C	0-10VDC 4-20mA	AS746-311 AS746-312
	-3/0 to +10VDC	-3/0 to +10VDC 4-20mA	AS746-113 AS746-114				K type, 0-400°C	0-10VDC 4-20mA	AS746-205 AS746-206	PT-100, 0-500°C	0-10VDC 4-20mA	AS746-313 AS746-314
	0-10 VDC	2-10VDC 0-5VDC	AS746-605 AS746-606				K type, 0-500°C	0-10VDC 4-20mA	AS746-207 AS746-208	PT-100, 0-600°C	0-10VDC 4-20mA	AS746-315 AS746-316
	0-30 VDC	0-10VDC	AS746-607				K type, 0-600°C	0-10VDC 4-20mA	AS746-209 AS746-210	PT-100, 0-700°C	0-10VDC 4-20mA	AS746-317 AS746-318
	0-50 VDC	0-10VDC 4-20mA	AS746-115 AS746-116				K type, 0-700°C	0-10VDC 4-20mA	AS746-223 AS746-224	PT-100, 0-800°C	0-10VDC 4-20mA	AS746-319 AS746-320
	0-100VDC	0-10VDC 4-20mA	AS746-117 AS746-118				K type, 0-800°C	0-10VDC 4-20mA	AS746-209 AS746-210	PT-100, -50 to +200°C	0-10VDC 4-20mA	AS746-321 AS746-322
	0-200VDC	0-10VDC 4-20mA	AS746-119 AS746-120				K type, 0-1000°C	0-10VDC 4-20mA	AS746-211 AS746-212			

ORDERING INFORMATION	Input	Output	Order Code	Input	Output	Order Code	Input	Output	Order Code	Input	Output	Order Code	
	0-15VDC	0-10VDC	AS746-602					K type, 0-1200°C	0-10VDC	AS746-213			
		4-20mA	AS746-604						4-20mA	AS746-214			
	Thermocouple J Type												
	J type, 0-300°C	0-10VDC	AS746-226						4-20mA				AS746-227
		J type, 0-500°C	0-10VDC						AS746-228				
	J type, 0-700°C		0-10VDC	AS746-230					4-20mA				
		J type, 0-800°C	0-10VDC	AS746-232									
	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.												
	NOTE: * Not suitable for load cell applications.												