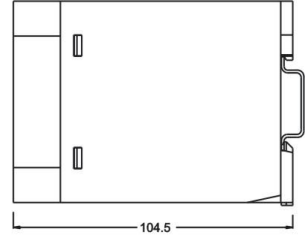
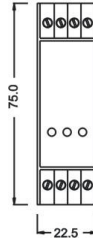


ANALOG SIGNAL CONVERTERS / ISOLATORS



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												
				A: 2 Wire sensor loop power B: 2 Wire sensor source type C: 4 Wire sensor						NOTE: To use PT-100 (2W type) sensor short terminal No. 3 & 4 at input.		
	ORDERING INFORMATION											
		Input	Output	Order Code	Input	Output	Order Code	Input	Output	Order Code	Input	Output
	0-20 mV *	0-10VDC	AS746-101	0-20 mA	0-10VDC	AS746-151	Thermocouple K Type			PT-100, -100 to +100°C	0-10VDC	AS746-301
		4-20mA	AS746-102		4-20mA	AS746-152				4-20mA	AS746-302	
	0-75 mV	0-10VDC	AS746-103	4-20mA ⁽¹⁾	0-10VDC	AS746-153	K type, -200 to +200°C	0-10VDC	AS746-215	PT-100, -50 to +50°C	0-10VDC	AS746-303
		4-20mA	AS746-104		4-20mA	AS746-154		4-20mA	AS746-216	4-20mA	AS746-304	
	0-1 VDC	0-10VDC	AS746-105	Note 1- Voltage across 18V, 0V : 15 - 18VDC (25mA max)			K type, -100 to +100°C	0-10VDC	AS746-217	PT-100, 0-100°C	0-10VDC	AS746-305
		4-20mA	AS746-106					4-20mA	AS746-218	4-20mA	AS746-306	
	0-2 VDC	0-10VDC	AS746-107				K type, 0-100°C	0-10VDC	AS746-219	PT100, 0-200°C	0-10VDC	AS746-307
		4-20mA	AS746-108	4-20mA	AS746-220	4-20mA		AS746-308				
	0-2.5 VDC	0-10VDC	AS746-109				K type, 0-200°C	0-10VDC	AS746-221	PT-100, 0-300°C	0-10VDC	AS746-309
		4-20mA	AS746-110	4-20mA	AS746-222	4-20mA		AS746-310				
	0-5 VDC	0-10VDC	AS746-111				K type, 0-300°C	0-10VDC	AS746-223	PT100, 0-400°C	0-10VDC	AS746-311
		4-20mA	AS746-112	4-20mA	AS746-224	4-20mA		AS746-312				
	-3/0 to +10VDC	-3/0 to +10VDC	AS746-113				K type, 0-400°C	0-10VDC	AS746-201	PT-100, 0-500°C	0-10VDC	AS746-313
		4-20mA	AS746-114	4-20mA	AS746-202	4-20mA		AS746-314				
	0-10 VDC	2-10VDC	AS746-605				K type, 0-500°C	0-10VDC	AS746-203	PT-100, 0-600°C	0-10VDC	AS746-315
		0-5VDC	AS746-606	4-20mA	AS746-204	4-20mA		AS746-316				
	0-50 VDC	0-10VDC	AS746-115				K type, 0-600°C	0-10VDC	AS746-205	PT-100, 0-700°C	0-10VDC	AS746-317
		4-20mA	AS746-116	4-20mA	AS746-206	4-20mA		AS746-318				
	0-100VDC	0-10VDC	AS746-117				K type, 0-700°C	0-10VDC	AS746-207	PT-100, 0-800°C	0-10VDC	AS746-319
		4-20mA	AS746-118	4-20mA	AS746-208	4-20mA		AS746-320				
	0-200VDC	0-10VDC	AS746-119				K type, 0-800°C	0-10VDC	AS746-209	PT-100, -50 to +200°C	0-10VDC	AS746-321
		4-20mA	AS746-120	4-20mA	AS746-210	4-20mA		AS746-322				
							K type, 0-1000°C	0-10VDC	AS746-211			
								4-20mA	AS746-212			

Unit No:G-5/6, B Wing, Plot K-3, Udyog Bhavan No:2, Anand Nagar MIDC, Ambarnath(E) 421506, MH, India.
Boardlines : +91-251-2620417, 2620427 Cell : + 91-9820362980 Email : shavison@shavison.com www.shavison.com



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			
									4-20mA	AS746-229			
								J type, 0-700°C	0-10VDC	AS746-230			
									4-20mA	AS746-231			
							J type, 0-800°C	0-10VDC	AS746-232				
								4-20mA	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.													
NOTE: * Not suitable for load cell applications.													