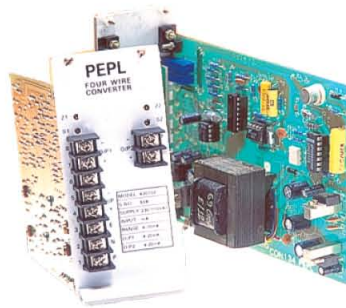




Field Mounting



Din Rail Mounting



Rack Mounting



Mini Isolator

## SPECIFICATIONS

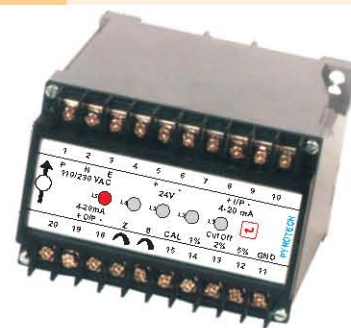
Type	4 - wire	4 - wire	4 - wire, 24 VDC	4 - wire, Mini isolator
Model	20 - T	ISO-8	ISO-6 (Dual) & ISO-7 (Triple)	ISO-9
Input	a) RTD PT-100.	a) DC Voltage.	a) DC mA, V	a) DC mA
	b) Thermocouple K,T,S,R,J.	b) DC Current.	b) Resistance.	b) Volt DC.
	g) Resistance	-	c) T/c - K, T, S, R, J.	-
	h) DC Current & Voltage.	-	d) RTD.	-
	i) AC Current & Voltage.	-	-	-
Input Range	Pl. Specify			
Output	a) 4-20/0-20 mA DC	a) 4-20/0-20 mA DC	a) 4-20 mA.	4-20 mA.
	b) 0-5/0-10 VDC	b) 0-5/0-10 VDC	b) 24 VDC for transmitter. (Optional)	
	d) Others (Pl. Specify)	-	-	
No. of Outputs	Single/Dual/Quad.	Single.	Dual/Triple for mA output	Single.
Load on output	0-750 ohm(For mA O/p)	0-600 ohm(For mA O/p)	0-600 ohm.	0-600 ohm
	>100 Kohm(For volt O/p)	>100 Kohm(For volt O/p)	-	-
Accuracy	±0.5% (for T/c input) ±0.25% (for other inputs)	± 0.1% of output span.	± 0.25% of Span.	
Response Time	Within 1 sec.			
Insulation resistance	200 M ohm at 1000 VDC			
Insulation strength	Tested at 1.0 KV for all possible combinations for 1 min and at 500 VAC between electronics and earth.		1500 V rms.	
Isolation	a) Optical and galvanic isolation of 1.5KV between input and output .			
	b) Galvanic isolation is provided between supply and input/output.			
Adjustment	Zero and span are adjustable by two individual trim pots.			
Impulse test	-	5 KV Transient.	-	-
Dielectric test	-	2 KV RMS.	-	-
Maximum output	-	15 VDC under open ckt.	-	-
Power supply	a) 110 VAC ±10%, 50 Hz	48 VDC ± 10%.	24 VDC ±10%.	
	b) 220 VAC ±10%, 50 Hz			
Operating ambient	Temperature : 0-60° C.			
	Humidity : 5-95% RH.			
Mounting	Field / Din rail / Rack	Din rail 35mm standard.		
Housing	ABS Plastic.			
Size	a) Field-(for single and dual o/p) 171(H)x121(W)x 55(D) - (for Triple o/p) 145(H)x222(W)x55(D)	110(H) x 45(W)x 75(D) in mm	a) for Dual O/p - 112(H) x 45(W)x 75(D) in mm b) for triple O/p - 112(H) x 100(W)x 70(D) in mm	110(H) x 22(W)x 76(D) in mm
	b) Dinrail-(for Single and dual o/p) 70(H)x 45(W)x 112(D) - (for Triple o/p) 96(H)x96(W)			
	c) Rack-(for Single and dual o/p) 3U (H) 10T (W)			



Universal Converter



Converter with display



Square root extractor

## SPECIFICATIONS

Type	$\mu$ p based universal 4-wire converter	$\mu$ p based 4-wire converter with display	$\mu$ P based Square root extractor
Model	MICROCON-100	MICROCON-101	-
Input	a) T/C : J, K, R, S, E b) RTD : Pt-100 c) mA: 4-20mA or 0-20 mA d) Volt: 0-1V or 0-5V or 0-10V e) For other inputs pl. specify	a) mA : 0 to 50 mA DC (field selectable) b) Volt : 0 to 50 V DC (field selectable) c) Frequency : 4KHz to 8KHz at 0.8 V to 1.2 V amplitude (factory settable)	mA
Input range : mA	Span adjustable from 2 to 50 mA DC Zero adjustable from $\pm 50\%$ of input span	-	4-20 mA
: Volts	Span adjustable from 1 to 50 VDC Zero adjustable from $\pm 50\%$ of input span	-	-
Output	a) 4-20 mA linear w.r.t. temp. for T/C & RTD b) 4-20 mA linear for linear inputs c) 4-20 mA linear for non linear mA or V inputs. ( pl. Specify I/p, o/p relationship) d) For other outputs (please specify)	4 - 20 mA, (isolated)	4-20 mA, (square rooted)
Type of display	-	7 Segment LED, RED Colour, 4 Digit, 0.56" Height	-
No. of outputs	Single	Single/Dual/Triple/Quad (factory settable)	Single
Load on output	750 Ohms (max.)		
Linearity	$\pm 0.2\%$ of F.S.R.	$\pm 0.1\%$ of F.S.R.	$\pm 0.2\%$ of Span
Response time	Within 1 sec.		Less then 1 sec.
Accuracy	$\pm 0.20\%$ of F.S.R.	$\pm 0.1\%$ of F.S.R.	$\pm 0.20\%$ or better
Isolation	a) Optical and galvanic isolation of 1.5KV between input and output . b) Galvanic isolation is provided between supply and input/output.		
Calibration	Through software		
Adjustment	Zero & Span are Adj. by two individual trim pots	-	Zero & Span are Adj. by two individual trim pots
Range setting	Through DIP Switch (16 different range selection for T/C & RTD input)	-	-
Power supply	a) 110 VAC $\pm 10\%$ , 50 Hz b) 220 VAC $\pm 10\%$ , 50 Hz	a) 220 VAC $\pm 10\%$ , 50 Hz b) 24V DC $\pm 10\%$ (Optional)	a) 110 VAC $\pm 10\%$ , 50 Hz b) 220 VAC $\pm 10\%$ , 50 Hz
Operating ambient	Temperature : 0-60° C. Humidity : 5-95% RH.		
Mounting	Din rail	Din rail/ Field mounting	Din rail
Housing	ABS Plastic.		
Size	75(D) x 45(W)x 110(H) in mm	75(D) x 100(W)x 110(H) in mm	100(H) x 70(W)x 112(D) in mm

Specifications are subject to change without prior notice.

**Manufacturing facilities :**  
**Pyrotech Electronics Pvt. Ltd.**  
 F-16 A, Road No. 3, MIA, Udaipur-313003  
 Ph. : 91-294-2492123-25, Fax : 2492126  
 Email : pyrotech@peplelectronics.com  
 Web: www.peplelectronics.com

**Delhi office :**  
**Pyrotech Electronics Pvt. Ltd.**  
 405-406, 4th Floor,  
 53-54, Goverdhan House,  
 Nehru Place, New Delhi - 110019  
 Ph. : 011 - 46866400 / 26444930  
 Fax : 011 - 26443694  
 Email : pmppl@pyrotechindia.com

**Branch Offices :**  
 Bangalore - 09342530078  
 Baroda - 09327226863  
 Hyderabad - 09391385939  
 Raipur - 09301446050  
 Kolkata - 09331019888

**Our Associates :**  
 Kolkata - 09339199881  
 Korba - 09425532765  
 Mumbai - 09322676597  
 Vizag - 09848048639  
 Rourkela - 09937373434