









LT10U - Programmable AC Voltage/ Frequency Transducer LT10I - Programmable AC Current/ Frequency Transducer

True RMS measurments

Voltage measurement	5 - 500 VAC
Current AC measurement	0,01 - 10 A
Frequency	10 - 120 Hz
Wide auxiliary supply	80 - 250 VAC/24-250 VDC
Class	0.5 or 0.2
Response time	<100 ms
Free software	













Model	LT10 - U	LT10 - I	
Measured Quantities	U (Voltage), F (Frequency)	I (Current), F (Frequency)	
Input			
Voltage			
Voltage range (Un)	50 – 500 V main voltage (nominal)		
Measuring range	0 – 500 V TRMS		
Overload voltage	1.2 x Un – continuously 2 x Un – 10 s		
Frequency	10 <u>4070</u> 120 Hz		
Measuring range F	10 – 120 Hz		
Consumption	< 0,5 VA		
Current			
Current (In)		1 – 5 A	
Measuring range		0 – 10 A TRMS	
Overload current		2 x In continuously 10 x In 15 s 20 x In 1 s	
Frequency		10 <u>4070</u> 120 Hz	
Measuring range F		10 – 120 Hz	
Consumption		< 0.05 VA	
Supply voltage			
Power supply	24 – 250 VDC	24 – 250 VDC	
	80 – 250 VAC, 50/60 Hz	80 – 250 VAC, 50/60 Hz	
Burden	max 6 VA	max 6 VA	
Output			
Analog	4		
Analog output	1 0.20 mA (nyanyamanahla)		
Range	0-20 mA (programmable)		
	01 mA (class 0.5), 05 mA, 010 mA, 020 mA, 420 mA		
External resistance load	max 750 ohm (15V)		

< 100 msec

Response time









Model		LT10 - U	LT10 - I
General dat	a		
	Accuracy	0.5 or class 0.2	
	Galvanic isolation	Supply in- and output are galvanically isolated	
	USB	Programming	
	Temperature	USB port is NOT galvanically isolated from output -10+55 °C (operation) -40+70 °C (storage)	
	Temperature coefficient	less than 0.1% / 10 °C	
	Test voltage	5,6kV AC 50 Hz 1 min meas. input 3,7kV AC 50 Hz 1 min aux. power supply	
	Installation category	CAT III; 600 V meas. input CAT III; 300 V aux. power supply	
	Pollution degree	2	
	Dimension (W x H x D)	35 x 109 x 126 mm – DIN-rail	
Standards			
	Transducers	Acc. To EN 60688	Electrical measuring transducers for converting A.C. and D.C. electrical quantities to analogue or digital signals
	Safety	Acc. To EN 61010-1	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use
	EMC	Acc. To EN 61000-6-2	Immunity for industrial environments
		Acc. To EN 61000-6-4	Emission standard for industrial environments
		Acc. To EN 61000-6-5	Immunity for equipment used in power station and substation environment
Order code			
		LT10U-110000	LT10U Voltage/Frequency transducer class 0.2
		LT10I-110000	LT10I Current/Frequency transducer class 0.2

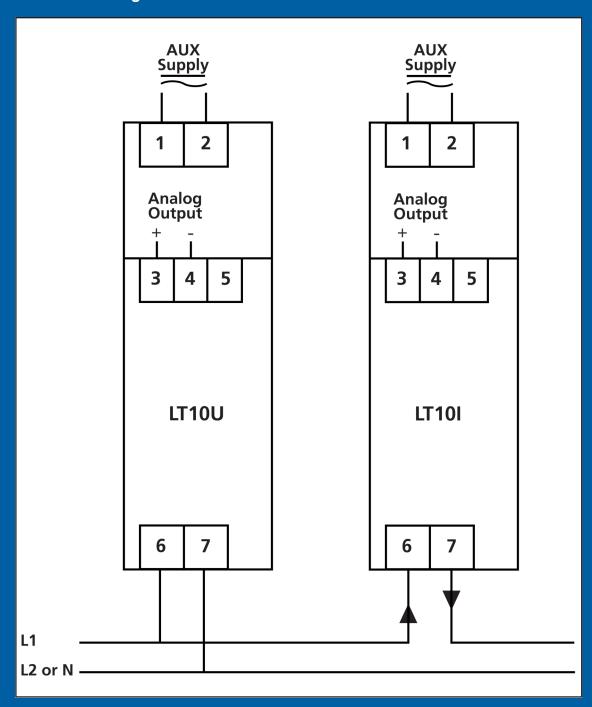








Connection diagram



REVISION HISTORY		
A1	160524	
A2	161026	
A3	170109	