

# LQT400

## CONFIGURABLE MULTI TRANSDUCER FOR ALL ELECTRICAL NETWORKS

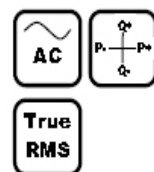


LQT400 is a configurable multi transducer for all electrical networks. Any two measurable electrical quantities can be linked to the two analog outputs.

The configuration is simple using "ConfigLQT" software through the USB port. The software is available and free to download on our web page.

## Model LQT400

<b>Input</b>	<b>Voltage</b>	
	Voltage range (Un)	100 – 400 V main voltage (nominal)
	Measuring range	0 – 500 V TRMS
	Overload voltage	1.5 x Un – continuously, 2 x Un – 10 s
	Consumption	U x 1 mA / phase
	Frequency	10...40...70...120 Hz
	<b>Current</b>	
	Current (In)	1 – 5 A
	Measuring range	0,0025 – 10 A TRMS
	Overload current	2 x In continuously, 10 x In 15 s, 40 x In 1 s
	Consumption	<0.05 VA / phase
	Supply voltage	
	<b>Power supply</b>	
		24 – 250 VDC 80 – 250 VAC
	Burden	max 8 VA
<b>Measuring Quantity</b>	U-main, U-phase, I, P, Q, S, F, PF, PA	
<b>Output</b>	<b>Analog</b>	
	Analog output	2
	Range	+/- 20 mA
	External resistance load	max 750 ohm (15V)
	Response time	<100 msec
<b>General data</b>	Accuracy	0.2
	Galvanic isolation	Supply, in- and output are galvanically isolated
	USB	1 port for configuration
	Temperature	-10...+55 °C (operation), -40...+70 °C (storage) Temperature coefficient less than 0.1% / 10 °C
	Test voltage	4 kV AC / min
	Inputs	overvoltage cat. III
	Pollution degree	2
	Dimension (B x H x D)	70 x 132 x 137 mm – DIN-rail
	Weight	ca 0.5 kg
	Standards	SS-EN 60688 Transducers SS-EN 61010-1 Safety

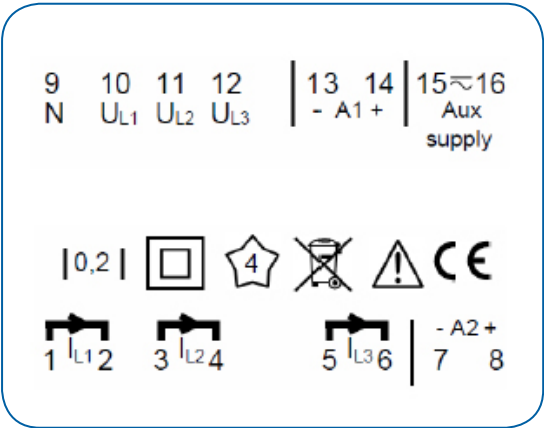


Model LQT400

Measuring Quantity

U-main, U-phase, I, P, Q, S, F, PF, PA

System-connection	Application	I1	I2	I3	N	U1	U2	U3	U12	U23	U31
-00	4wire, 3 phase symmetric load	X	-	-	X	X	-	-	-	-	-
-01	1 wire, 1 phase	X	-	-	X	X	-	-	-	-	-
-02	3 wire, 3 phase symmetric load	X	-	-	-	-	-	-	X	-	-
-03	3 wire, 3 phase symmetric load	X	-	-	-	-	-	-	-	X	-
-04	3 wire, 3 phase symmetric load	X	-	-	-	-	-	-	-	-	X
-05	3 wire, 3 phase symmetric load	X	-	-	-	X	X	X	X	X	X
-09	3 wire, 3 phase asymmetric load	X	-	X	-	X	X	X	X	X	X
-11	4 wire, 3 phase asymmetric load	X	X	X	X	X	X	X	X	X	X
-11	4 wire, 3 phase asymmetric load Open Delta	X	X	X	-	X	X	X	X	X	X





REVISION HISTORY	
A1	171024