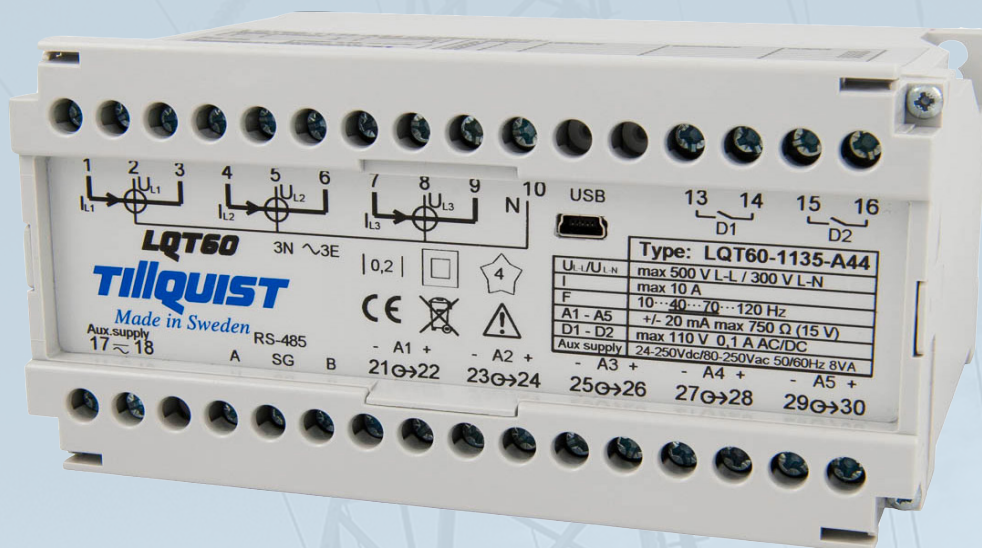


LQT60 WIDE

CONFIGURABLE MULTI TRANSDUCER FOR ALL ELECTRICAL NETWORKS



LQT60 Wide is a configurable multi transducer for all electrical networks. Any 5 measurable electrical quantities can be linked to the 5 analog outputs. It has 2 pulse outputs for measuring active and reactive energy. All electrical quantities can be obtained through its RS485 communication port.




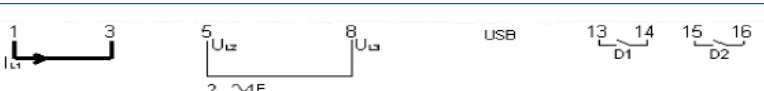
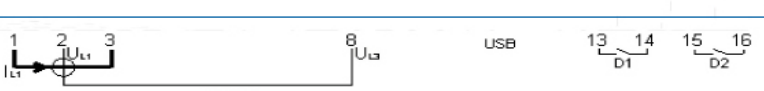
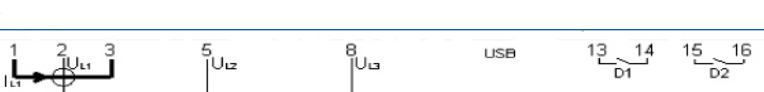


The configuration is simple using "ConfigLQT" software through the USB port. The software is available and free to download on our web page.

Model LTQ60

Input	Voltage	
	Voltage range (Un)	100 – 400 V main voltage (nominal)
	Measuring range	3 – 500 V TRMS L-L 50/60 Hz, (5 - 500 V TRMS L-L 16 2/3 Hz)
	Configurable measuring range	0 - 500 V L-L / 0 - 300 V L-N
	Frequency	10.. <u>40</u> ... <u>70</u> ...120 Hz, (10... <u>15</u> ... <u>18</u> ...120 Hz)
	Overload voltage	1.5 x Un – continuously, 2 x Un – 10 s
	Consumption	U x 1 mA / phase
	Current	
	Current (In)	1 – 5 A
	Measuring range	0,005 – 10 A TRMS
Configurable measuring range	0 - 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		
Power supply	24 – 250 VDC, 80 – 250 VAC	
Burden	max 8 VA	
Measuring Quantity	U-main, U-phase, I, P, Q, S, F, PF, PA	
Output	Analog output	5
	Range	+/- 20 mA
	External resistance load	max 750 ohm (15 V)
	Response time	<100 msec
	Characteristic point	5
	Digital output	2 x transistor 110 V AC/DC, 100 mA
Communication		
Serial	RS485 - MODBUS	
General data	Accuracy	0.2
	Galvanic isolation	Supply, in- and output are galvanically isolated
	USB	USB Mini-b 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 300 V L-N cat. III
	Pollution degree	2
	Dimension (B x H x D)	150 x 70 x 73 mm – DIN-rail
	Weight	ca 0.5 kg
	Standards	SS-EN 60688 Transducers SS-EN 61010-1 Safety EN 61000-6-2 / -6-4 / -6-5
Order code	LQT60-512100, 50/60 Hz, class 0.2 LQT60-512103, 16 2/3 Hz, class 0.2	



Model LTQ60

<p>-00 1-phase 1 system</p> <p>4-wire 3 phase symmetric load</p>	 <p>Aux. supply 17 ≈ 18 RS-485 A SG B - A1 + 21 ↔ 22 - A2 + 23 ↔ 24 - A3 + 25 ↔ 26 - A4 + 27 ↔ 28 - A5 + 29 ↔ 30</p>
<p>-01 1-phase 1 system</p> <p>Single-phase AC</p>	 <p>Aux. supply 17 ≈ 18 RS-485 A SG B - A1 + 21 ↔ 22 - A2 + 23 ↔ 24 - A3 + 25 ↔ 26 - A4 + 27 ↔ 28 - A5 + 29 ↔ 30</p>
<p>-02 1-phase 1 system</p> <p>3 wire 3-phase symmetric load phase-shift U12-I1</p>	 <p>Aux. supply 17 ≈ 18 RS-485 A SG B - A1 + 21 ↔ 22 - A2 + 23 ↔ 24 - A3 + 25 ↔ 26 - A4 + 27 ↔ 28 - A5 + 29 ↔ 30</p>
<p>-03 1 phase 1 system</p> <p>3 wire 3-phase symmetric load phase-shift U23-I1</p>	 <p>Aux. supply 17 ≈ 18 RS-485 A SG B - A1 + 21 ↔ 22 - A2 + 23 ↔ 24 - A3 + 25 ↔ 26 - A4 + 27 ↔ 28 - A5 + 29 ↔ 30</p>
<p>-04 1-phase 1 system</p> <p>3 wire 3-phase symmetric load phase-shift U31-I1</p>	 <p>Aux. supply 17 ≈ 18 RS-485 A SG B - A1 + 21 ↔ 22 - A2 + 23 ↔ 24 - A3 + 25 ↔ 26 - A4 + 27 ↔ 28 - A5 + 29 ↔ 30</p>
<p>-05 3-phase 1 system</p> <p>3-phase symmetric load</p>	 <p>Aux. supply 17 ≈ 18 RS-485 A SG B - A1 + 21 ↔ 22 - A2 + 23 ↔ 24 - A3 + 25 ↔ 26 - A4 + 27 ↔ 28 - A5 + 29 ↔ 30</p>
<p>-09 3-phase 2 system</p> <p>3 wire 3-phase asymmetrical load</p>	 <p>Aux. supply 17 ≈ 18 RS-485 A SG B - A1 + 21 ↔ 22 - A2 + 23 ↔ 24 - A3 + 25 ↔ 26 - A4 + 27 ↔ 28 - A5 + 29 ↔ 30</p>
<p>-11 3-phase 3 system</p> <p>4-wire 3-phase asymmetrical load</p>	 <p>Aux. supply 17 ≈ 18 RS-485 A SG B - A1 + 21 ↔ 22 - A2 + 23 ↔ 24 - A3 + 25 ↔ 26 - A4 + 27 ↔ 28 - A5 + 29 ↔ 30</p>

Our policy is one of continuous improvement and we reserve the right to make changes in design and specifications of any products as engineering advances or necessity requires and revise the above specifications without notice.

REVISION HISTORY	
A1	161109
A2	171030