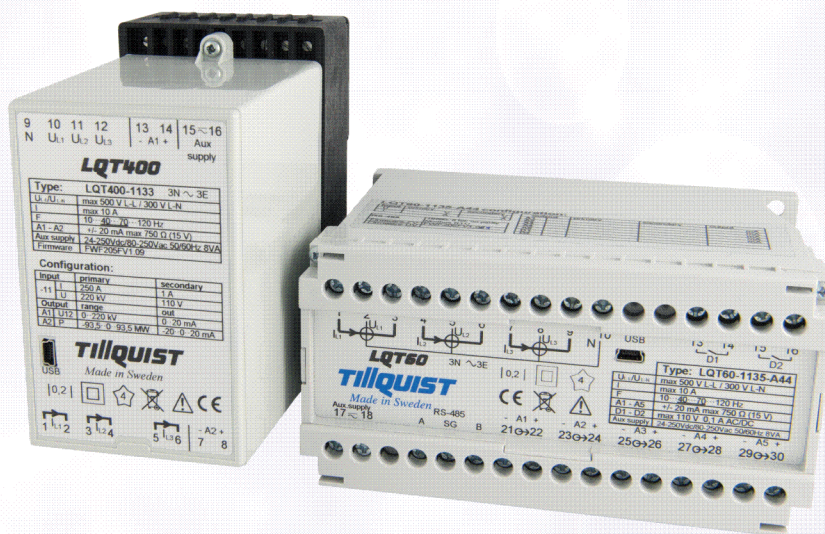




LQT multi transducers

Increase the value of your equipment and services!

- Made in Sweden, tailored for today's most critical applications
- Designed to face future application challenges
- High accuracy and fast response times
- Input signal configurable for any measurement range or system connection
- Up to 5 analog and 2 digital outputs plus RS-485 (Modbus) interface
- Robust and intuitive to use
- Easily configured via USB
- Free configuration software
- Fast delivery - we keep all models in stock



A transducer that can be used for anything, an ultra fast, or something in between? Our experts will help you face most challenges.



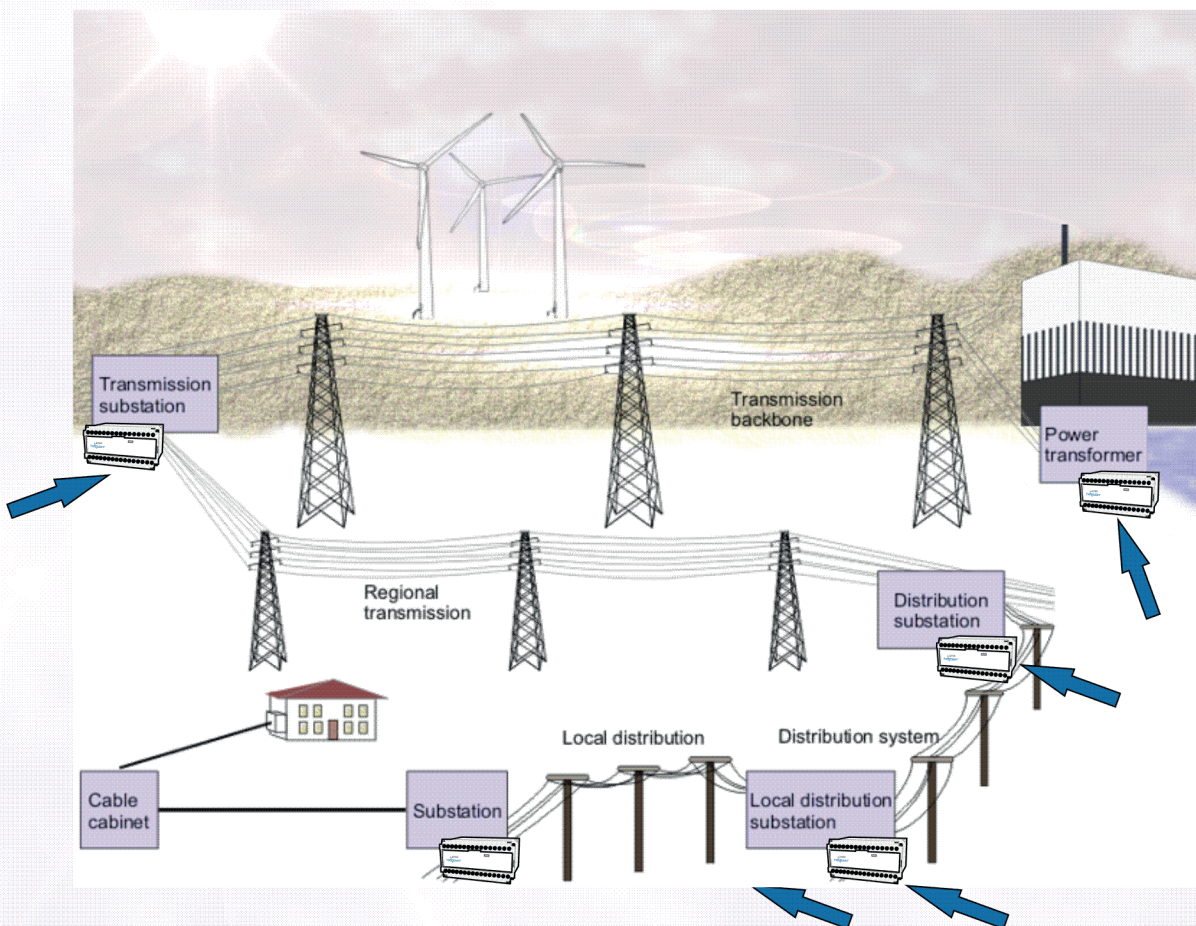
ABOUT OUR COMPANY

Our company was founded in 1895 by Hugo Tillquist in Stockholm, Sweden. His knowledge and close collaboration with clients and suppliers is the basis for our market leading products, solutions and expertise today.

And just like then, the core of our business is based on close collaboration with clients and suppliers, ensuring long term business relationships and mutual success.

Tillquist is a main supplier of equipment for manufacturers, producers and service providers within the power production and the power distribution markets. Our transducers are designed and made in Sweden since over half a century.

We provide leading edge equipment for measurement and conversion of all electrical entities.



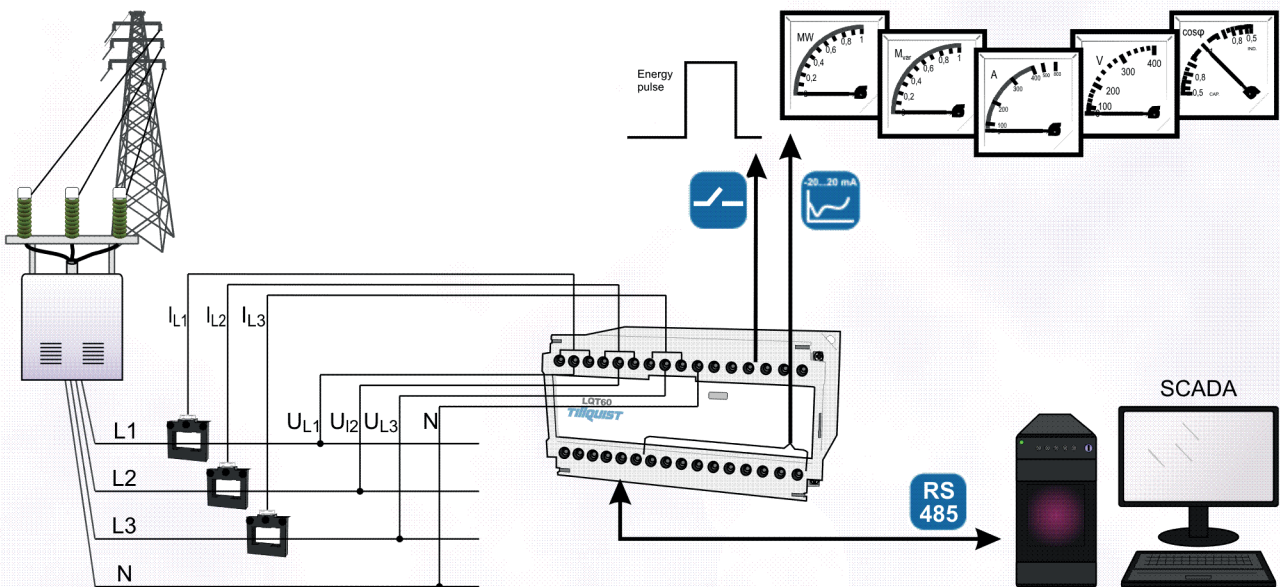
LQT transducers are used in power transmission and distribution applications all over the world.

THE LQT MULTI TRANSDUCERS

While our transducers are precision instruments with high accuracy and fast response times – they are still very robust and intuitive to use. They are easily configured using the free software “Config LQT” via the USB port. Simple and straightforward!

To ensure the best possible service to our clients, we are committed to deliver end-to-end quality. This includes our market leading products, expertise, communication, and delivery. We keep all models in stock and take pride to deliver promptly.




















We deliver products and solutions that are tailored to measure up to today's most critical applications.

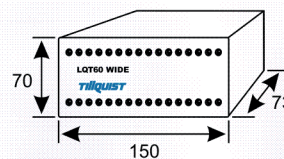
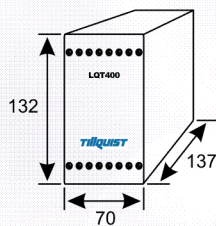


Measurement of voltage and current for high-voltage power lines. An analog output is used for analog meters, and a digital output is used for an energy pulse. An RS-485 Modbus interface is used for serial communication with a supervisory control system.

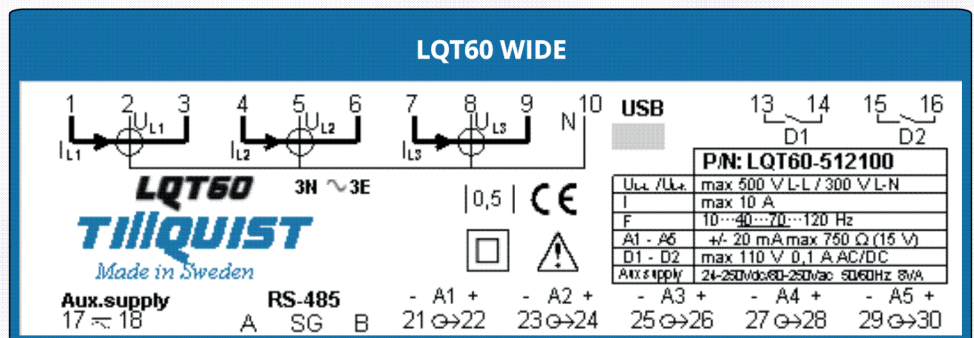
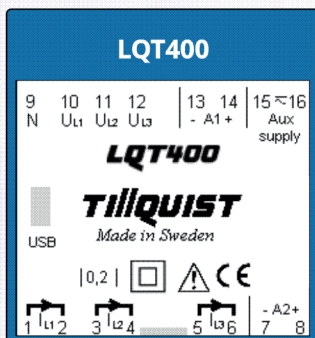
Our goal is to provide you with a quality product that is cost effective, to improve the overall value of your equipment and services. Working together with our sales and engineering experts will help you to face most challenges.

If you are not sure of the exact requirements for your application – give us a call.

LQT400		LQT60 WIDE	
Input	  	Input	  
Voltage inputs (U_N)	100 - 400 V line voltage (nominal)	Voltage inputs (U_N)	100 - 400 V line voltage (nominal)
Range (configurable)	0 - 500 V TRMS	Range (configurable)	0 - 500 V TRMS
Overload tolerance	1,5 x U_N (continuous), 2 x U_N (10 s)	Overload tolerance	1,5 x U_N (continuous), 2 x U_N (10 s)
Power consumption	U_N x 1 mA per phase	Power consumption	U_N x 1 mA per phase
Frequency	10...40...70...120 Hz 10...14...18...120 Hz (option for 16 2/3 Hz)	Frequency	10...40...70...120 Hz 10...14...18...120 Hz (option for 16 2/3 Hz)
Current inputs (I_N)	1 - 5 A (nominal)	Current inputs (I_N)	1 - 5 A (nominal)
Range (configurable)	0 - 10 A TRMS	Range (configurable)	0 - 10 A TRMS
Overload tolerance	2 x I_N (continuous), 10 x I_N (15 s), 40 x I_N (1 s)	Overload tolerance	2 x I_N (continuous), 10 x I_N (15 s), 40 x I_N (1 s)
Power consumption	< 0.05 VA per phase	Power consumption	< 0.05 VA per phase
Supply voltage		Supply voltage	
Power supply	24 - 250 V DC 80 - 250 V AC	Power supply	24 - 250 V DC 80 - 250 V AC
Load	max 8 VA	Load	max 8 VA
Output	 	Output	  
Analog outputs	2	Analog outputs	5
Range	+/- 20 mA +/- 10 V (option)	Range	+/- 20 mA +/- 10 V (option)
Load resistance	max 750 ohm (15 V)	Load resistance	max 750 ohm (15 V)
Response time	< 100 ms	Response time	< 100 ms
Digital outputs		Digital outputs	2 Transistor 110 V AC/DC, 100 mA
Serial communication		Serial communication	Modbus (RS-485)
General	   	General	   
Accuracy classification	0.2	Accuracy classification	0.2
Galvanic isolation	supply, in- and outputs are galvanically separated	Galvanic isolation	supply, in- and outputs are galvanically separated
USB	1 port (for configuration)	USB	1 port (for configuration)
Temperature range	-10...+55 °C (operation), -70...+40°C (storage) temperature coefficient < 0.1% per 10°C	Temperature range	-10...+55 °C (operation), -70...+40°C (storage) temperature coefficient < 0.1% per 10°C
Test voltage	4 kV, 50 Hz, 1 min.	Test voltage	4 kV, 50 Hz, 1 min.
Input surge protection	overvoltage cat. III	Input surge protection	overvoltage cat. III
Pollution degree	2	Pollution degree	2
Dimensions (W x H x D)	70 x 132 x 137 mm, DIN-rail	Dimensions (W x H x D)	150 x 70 x 73 mm, DIN-rail
Weight	approx. 0.5 kg	Weight	approx. 0.5 kg
Standards	SS-EN 60688 Transducers SS-EN 61010-1 Safety SS-EN 61000-6-2 and 6-4 EMC Industrial IEC 61000-6-5 EMC Power station	Standards	SS-EN 60688 Transducers SS-EN 61010-1 Safety SS-EN 61000-6-2 and 6-4 EMC Industrial IEC 61000-6-5 EMC Power station
Ordering number	LQT400-210000	Ordering number	LQT60-512100



CONNECTION DIAGRAMS



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