

A key component for
any demand controlled
ventilation system.

Lindab **UltraLink**[®]

A new and unique technology for precise and reliable
measurement and regulation of airflow



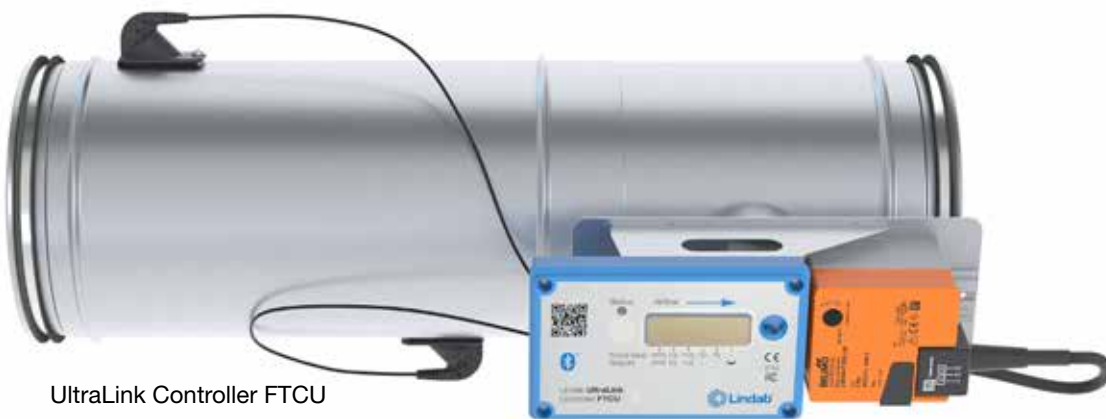


Optimal indoor climate.

Minimum energy consumption.

The UltraLink controller is a new volume flow regulator developed to deliver an optimal indoor climate to minimum energy consumption.

With the UltraLink controller you have the possibility to create a more efficient and optimized ventilation system with low maintenance costs.

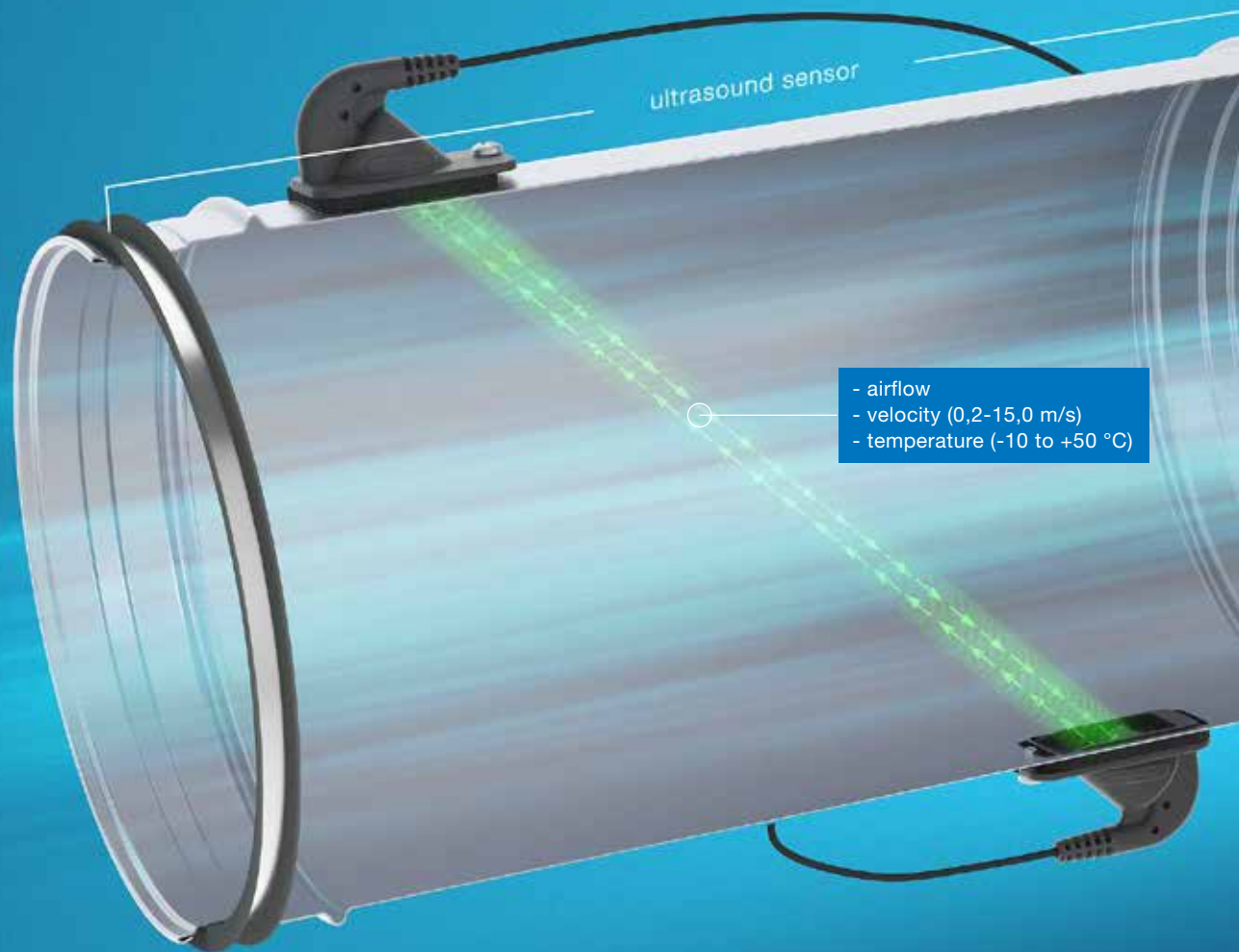


UltraLink Controller FTCU

Patented
Technology
by Lindab



UltraLink Monitor FTMU



Lindab **UltraLink**[®]

- High precision measurement
- No unnecessary pressure loss
- Easy to clean and maintain
- Reduced noise level



Precise and reliable measurement with ultrasound

The truly unique feature is the ultrasonic sensor technology. It can measure airflow, velocity and temperature with a very high precision and reliability, even at low airflow and without unnecessary pressure loss.

This means that the damper can adjust the airflow exactly right, regardless of the demand.

No unnecessary obstructions in the airflow

Unlike traditional systems, the sensor is located outside the air stream, so there are no unnecessary obstructions in the airflow, reducing the accumulation of dust and dirt particles.

This improves the performance, reduces the noise and minimizes the need to clean the system.



Fast and easy commissioning with Bluetooth technology

The UltraLink App is the perfect tool to monitor and adjust the airflow directly via a mobile device, which speeds up installation and commissioning.



Rotatable UltraLink sensor and damper housing

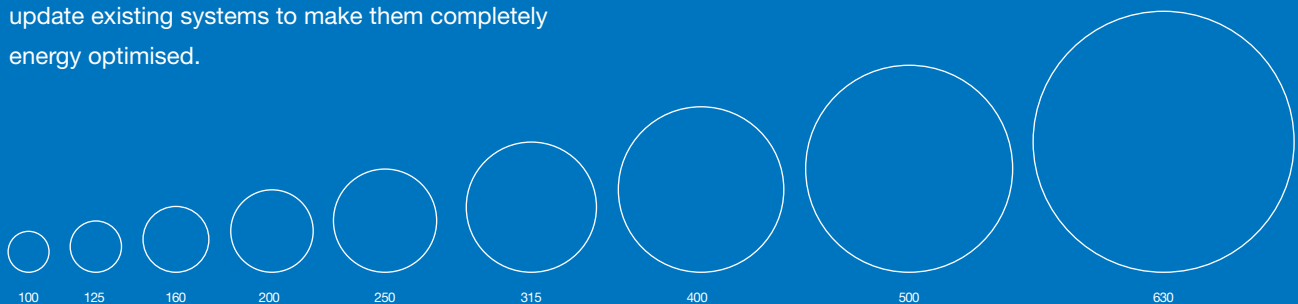
To provide more options during installation, the integrated damper and the UltraLink sensor can be rotated, which means that both parts can be positioned optimally for various occasions.

Compatible with both new and old ventilation systems

The unit communicates with an analogue and/or a digital signal using Modbus.

This means that you can easily and cost-effectively update existing systems to make them completely energy optimised.

It's available in a wide range of dimensions, from 100 mm up to 630 mm.



Technical data

Power supply	DC	24 (18–32) V
	AC	24 (19–28) V
Cable	Max outer diameter	7 mm
Power consumption	Dim. 100 - 315	2 W
	Dim. 400 - 630	3 W
Power consumption	For wiring, dim. 100 - 315	3 VA
	For wiring, dim. 400 - 630	5 VA
IP class		42
Tightness class to the environment	EN 12237	D
Tightness class, past a closed damper	EN 1751	4
Pressure class, closed damper	Dim. 100 - 315	C (max 5000 Pa)
	Dim. 400 - 630	B (max 2500 Pa)
Storage temperature range		-30 to +50 °C
Maximum ambient moisture		95 % RH
Connection		
Cable	RS485 standard cable, 2-wire shielded twisted pair, min. 0,1 mm ² (LIYCY cable)	
Protocol	Modbus	
Output	Flow	m ³ /h
	Flow	l/s
	Velocity	m/s
	Temperature	°C
	Damper position (0% fully closed, 100% fully open)	%
Velocity range	For guaranteed measurement uncertainty	0,2 – 15,0 m/s
Measurement uncertainty, flow (min. 5 diameters of straight duct before the UltraLink.)	Depending on which is the greatest of the percentage or the absolute value for the specific product size.	±5 % or
		Dim. 100 = ±1,00 l/s
		Dim. 125 = ±1,25 l/s
		Dim. 160 = ±1,60 l/s
		Dim. 200 = ±2,00 l/s
		Dim. 250 = ±2,50 l/s
		Dim. 315 = ±3,15 l/s
		Dim. 400 = ±4,00 l/s
	Dim. 500 = ±5,00 l/s	
	Dim. 630 = ±6,30 l/s	
Temperature range		-10 to +50 °C
Measurement uncertainty, temperature		±1 °C
Screws on lid of display unit	TX10	4 pcs
Bluetooth signal	Frequency	2402 – 2480 MHz
	Output power	-40 to +9 dB

Airflows

[mm]	0,2 m/s		7,0 m/s		15,0 m/s	
	m ³ /h	l/s	m ³ /h	l/s	m ³ /h	l/s
100	6	2	198	55	425	118
125	9	3	309	86	662	184
160	14	4	507	141	1087	302
200	23	6	792	220	1696	471
250	35	10	1237	344	2650	736
315	56	16	1964	546	4208	1169
400	90	25	3167	880	6786	1885
500	141	39	4948	1374	10603	2945
630	224	62	7855	2182	16833	4676



Good Thinking

At Lindab, good thinking is a philosophy that guides us in everything we do. We have made it our mission to create a healthy indoor climate – and to simplify the construction of sustainable buildings. We do that by designing innovative products and solutions that are easy to use, as well as offering efficient availability and logistics. We are also working on ways to reduce our impact on our environment and climate. We do that by developing methods to produce our solutions using a minimum of energy and natural resources, and by reducing negative effects on the environment. We use steel in our products. It's one of few materials that can be recycled an infinite number of times without losing any of its properties. That means less carbon emissions in nature and less energy wasted.

We simplify construction