

# UltraLink Monitor

# FTMU



## Description

### Application

The Monitor is suitable for measuring air flow and temperature. Communication is established via analog or digital signal using Modbus.

There is also an option to wireless connect to the Monitor via Bluetooth.

### Design

The Monitor consists of a sensor body with Lindab Safe gaskets.

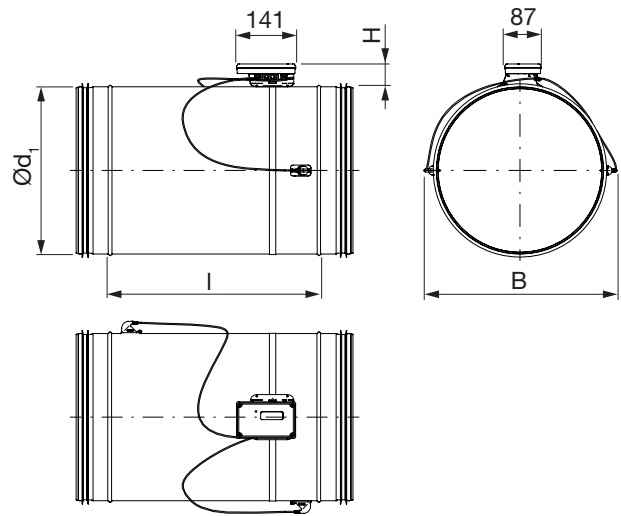
Two flow sensors are mounted on the sensor body and connected to a display unit. The display unit is mounted on top of a shelf on the sensor body.

### Maintenance

Normally does not require any maintenance.

The visible parts of the device can be wiped with a damp cloth.

## Dimensions



Ød <sub>1</sub> nom	l mm	H mm	B mm	m kg
100	186	33	160	0,58
125	212	36	185	0,72
160	245	40	220	0,94
200	284	42	260	1,24
250	337	44	310	1,80
315	402	44	375	2,51
400	508	44	470	4,60
500	598	44	570	8,00
630	738	44	700	12,4

## Ordering example

Product	FTMU	200	BT
Dimension Ød <sub>1</sub>			
Bluetooth			



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## Technical data

Power supply	DC	24 (18-32)	V
	AC	24 (24-32)	V
Cable	Max outer diameter	7	mm
Power consumption		0,4	W
Power consumption	For wiring	0,5	VA
IP class		42	
Tightness class to the environment	EN 12237	D	
Storage temperature range		-30 to +50	°C
Maximum ambient moisture		95	% RH
Connection	RS485 standard or analog		
Cabel	RS485 standard cable, 2-wire shielded twisted pair, min. 0,1 mm <sup>2</sup> (LIYCY cable)		
Protocol	Modbus		
Output	Flow		m <sup>3</sup> /h
	Flow		l/s
	Velocity		m/s
	Temperature		°C
Velocity range	For guaranteed flow accuracy	0,2-15	m/s
Measurement uncertainty flow (assuming correct installation.)	Depending on which is the greatest of the percentage or the absolute number for the specific products 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 of lid display unit	TX10	4	pcs
Bluetooth signal	Frequency	2402–2480	MHz
	Output power	-40 to +9	dB