



Febris TH ▼



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Febris TH Technical Data Sheet

Are you looking for the technical data sheet for the Febris TH?

Here you will find the technical data sheet for the Febris TH.



Febris Article Codes

Article code	Sensors	Additional description			
S- FEBR-	Accelerometer, CO2 ppm, atmospheric	The accelerometer is available as an option and on request, as supply	LoRaW AN®	Battery	

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LOEU-CO2	pressure, Rel. Humidity, temperature	could not be ensured due to supply constraints.			uction n
S-FEBR-MIOTY-CO2	Accelerometer, CO2 ppm,Air pressure, Rel. Humidity, temperature	The accelerometer is available as an option and on request, as supply could not be ensured due to supply constraints.	mioty®	Battery	In Prod uctio n
S-FEBR-NB-CO2	Accelerometer, CO2 ppm,Air pressure, Rel. Humidity, temperature	The accelerometer is available as an option and on request, as supply could not be ensured due to supply constraints.	NB-IoT	Battery	In Prod uctio n

Febris TH Artikelcodes

Article code	Sensors	Additional description	Communi- cation	Electri- city supply	Statu s
S-FEBR-LOEU-TH	Rel. Humidity, temperature	The accelerometer is available as an option and on request, as supply could not be ensured due to supply constraints.	LoRaWAN®	Battery	In Produ ction
S-FEBR-MIOTY-TH	Rel. Humidity, temperature	The accelerometer is available as an option and on request, as supply could not be ensured due to supply constraints.	mioty®	Battery	In Produ ction
S-FEBR-NB-TH	Rel. Humidity, temperature	The accelerometer is available as an option and on request, as supply could not be ensured due to supply constraints.	NB-IoT	Battery	In Produ ction

Febris SCW Artikelcodes

Article code	Sensors	Additional description	Communi- cation	Electricity supply	Status
S-FEBR-LOEU-SCW	Rel. Humidity, temperature, wall surface temperature	The accelerometer is available as an option and on request, as supply could not be ensured due to supply constraints.	LoRaWAN®	Battery	In Productio n

S-FEBR-MIOTY-SCW	Rel. Humidity, temperature, wall surface temperature	The accelerometer is available as an option and on request, as supply could not be ensured due to supply constraints.	mioty®	Battery	In Production
S-FEBR-NB-SCW	Rel. Humidity, temperature, wall surface temperature	The accelerometer is available as an option and on request, as supply could not be ensured due to supply constraints.	NB-IoT	Battery	In Production

Febris CO2 Order Code Tree

Prefix	Code product series	Communication	Sensor	Additional Sensors	Examples
S	FEBR	LOEU, mioty, NB	CO2		S-FEBR-LOEU-CO2

Febris TH Order Code Tree

Prefix	Code product series	Communication	Sensor	Zusätzliche Sensorik	Beispiele
S	FEBR	LOEU, mioty, NB	TH		S-FEBR-LOEU-TH

Febris SWC Order Code Tree

Prefix	Code product series	Communication	Sensor	Zusätzliche Sensorik	Beispiele
S	FEBR	LOEU, mioty, NB	SWC		S-FEBR-LOEU-SWC

Characteristics	Value	Unit
Dimensions lxbxh	86x86x25	mm
Weight	148	g

Operating temperature	+10 bis +50	°C
Storage temperature (recommended)	+0 bis +50	°C
Rel. Humidity in operation	5 bis 80	%
IP Rating	IP21	
Sensors	CO2, VOC, temperature, rel. Humidity, surface thermometer infrared, air pressure	
Traffic light function	Yes, LEDs (green, orange and red)	
Alarm function audible	Yes Buzzer	
Provisioning	NFC	
Material	ABS	
NFC antenna	integrated	
RF antenna	integrated	
Accelerometer	optional	
Batteries	exchangeable	
Primary cell type	4 x 1.5V (recommended Energizer ultimate Lithium) or 4 x 1.5V (Alkaline recommended VARTA Longlife Power)	

Connectivity and RF Specifications

Characteristics	Value	Unit
RF Standards		
Frequency LoRaWAN/mioty EU	868	MHz
Frequency Cellular	Volume 8, 20 (900 MHz, 800MHz)	MHz
Transmission power LoRaWAN/mioty EU	14	dBm
Transmission power NB-IoT	23	dBm

LoRa MAC Layer Version	1.0.2	
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Sensor Specification CO2

Characteristics	Value	Unit
Output value		ppm
Dissolution	1	ppm
Measuring range	300 to 5000 (optionally extended to 10000ppm)	
Accuracy	50ppm +/-3% of the measured value	
Life expectancy	15	y
Calibration	Self-calibration via algorithm	
Technology	NDIR, non-dispersive infrared sensor	

Sensor Specification Temperature sensor

Characteristics	Value	Unit
Measuring range	-40 bis +125	°C
Drift (long-term)	<0,02	°C/Year
Dissolution	0,1	°C
Accuracy	+/-0,2	°C
Repeatability	0,2	°C

Sensor specification rel. Humidity sensor

Characteristics	Value	Unit
Measuring range	0 bis 100	%RH
Drift (long-term)	<0,25	%RH/Year
Dissolution	1	%RH
Accuracy	+/-2,0	%RH
Repeatability	0,1	%RH

Sensor Pressure sensor

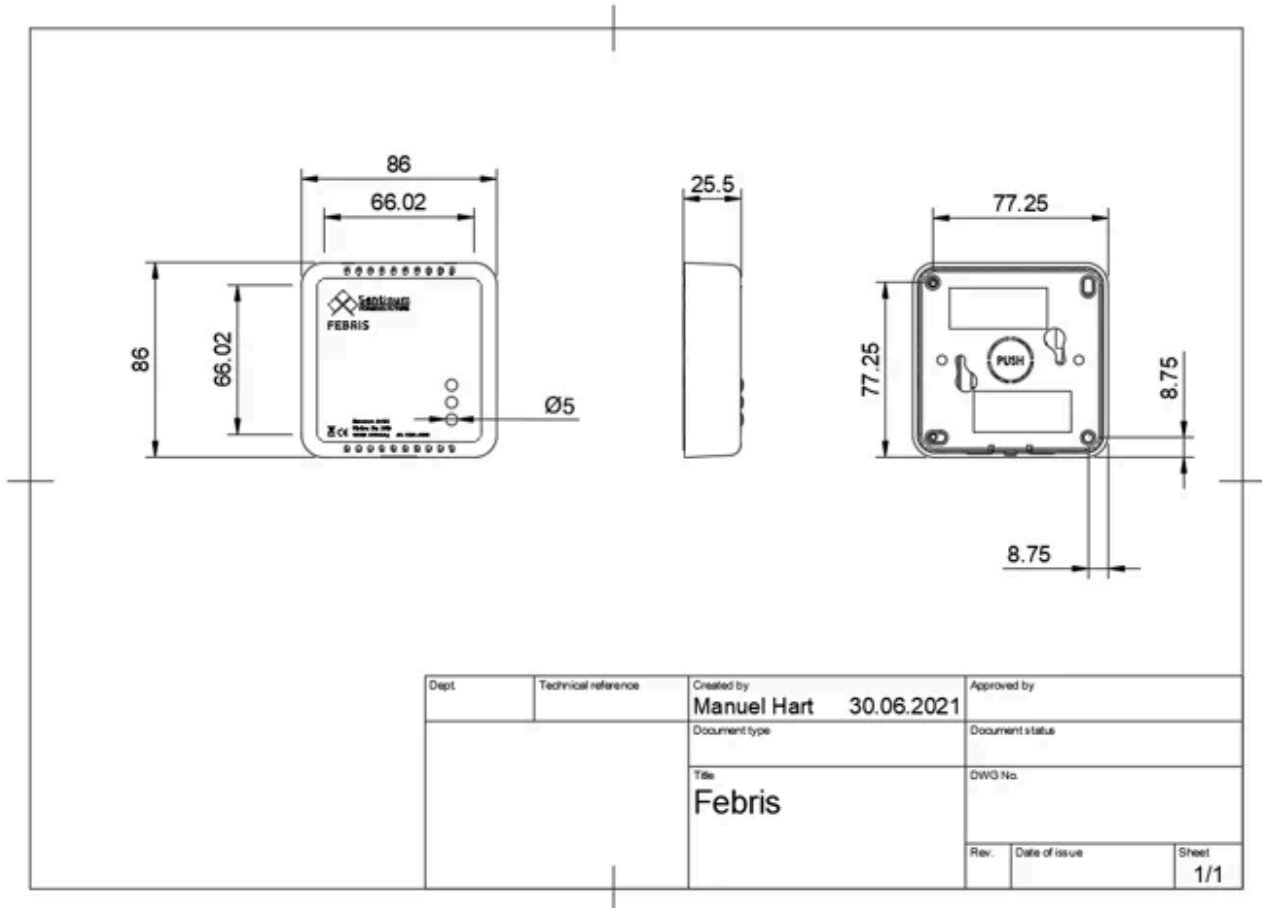
Characteristics	Value	Unit
Measuring range	300 bis 1200	mbar
Drift (long-term)	+/-1	mbar/Year
Dissolution	0,1	mbar
Repeatability	+/-1	mbar

Types of installation

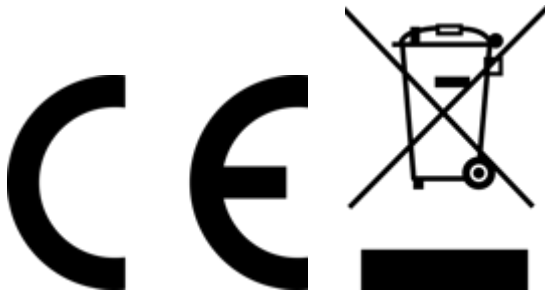
Types of installation	Accessories
Screwing	-chip plate screws TX partial thread 3,0x25/30/35/40

Magnets	-2x Nedym magnets (indoor) together 32 kg
Adhesive	Assembly adhesive or tape

Technical drawing



Labelling and certification



Documentation Links

You can find the links for further documentation on Febris TH here: