

Protocol

VOC indoor thermometer Wireless IoT

- ✓ **Ecco TEMP VOC** monitors temperature, humidity and VOC of any indoor environment
- ✓ Monitors the quality of the air by measuring the VOC (Volatile Organic Compounds)

FRAME BYTE

0	1	2	3	4	5	6	7	8	9	10	11
Byte	Byte	MSB	LSB	MSB	LSB	MSB	LSB	MSB	LSB	MSB	LSB
Header	0x00	VBATT		Temperature		Humidity		tVOC Concentration Average		tVOC Concentration Max in last period	

Name	Type	Description	Example		
			hex	dec	real value
Header	uint8	Define the type of message, 0x0F First Message, 0x01 message sent from switch pressing, 0x02 Message from time scheduling			
VBATT	uint16	Battery voltage, divided by 100 to have Volt	0x0164	356	3,56 V
Temperature	int16	Temperature value, divided by 100 to have °C	0x0967	2407	24,07 °C
Humidity	uint16	Humidity value, divided by 100 to have %	0x169f	5791	57,91%
tVOC Concentration Average	uint16	Average tVOC concentration from last send, in ppb	0x028A	650	650ppb
tVOC Concentration Max in last period	uint16	Max tVOC value in last period, in ppb	0x029F	671	671ppb