



winegrid

Smart Oenology

smartcellar

SENSOR FOR REMOTE AND REAL-TIME MONITORING OF THE WINERY ENVIRONMENT WITH PROPRIETARY TECHNOLOGY

TEMPERATURE, HUMIDITY, CARBON DIOXIDE AND USER HANDLINGS

Wireless connectivity

Plug & Play

WINEGRID platform compatibility



TECHNICAL SPECIFICATIONS

ENCLOSURE MATERIAL	ABS
DIMENSIONS	Enclosure 100 x 100 x 40 mm
WEIGHT	0.2 kg
COMMUNICATION	Wi-Fi Version: distance up to 50 m LoRa Version: distance up to 2000 m
LORA FREQUENCY P2P	LoRa P2P: EU - 868.1 MHz US/AU - 925.3 MHz
POWER SUPPLY	3 x 1.5 V AA-size alkaline batteries
TEMPERATURE	
OPERATION RANGE	[-15 ; 50] °C
RESOLUTION	0.1 °C
ACCURACY	± 1.5 °C
HUMIDITY	
OPERATION RANGE	[10 ; 90] %RH
RESOLUTION	0.1 %RH
ACCURACY	± 4 %RH
CARBON DIOXIDE	
OPERATION RANGE	[0, 40 000] ppm
RESOLUTION	1 ppm
ACCURACY	± (40 ppm + 5% of reading)
DETECTION OF HANDLINGS EVENTS	



(mm)