



winegrid

Smart Oenology

e-bung

SENSOR FOR REMOTE AND REAL-TIME MONITORING OF WINE MATURATION
WITH PROPRIETARY TECHNOLOGY

DISTANCE TO LIQUID, TEMPERATURE AND USER HANDLINGS

Wireless connectivity

Plug & Play

Optimized for barrels

WINEGRID platform compatibility



TECHNICAL SPECIFICATIONS

ENCLOSURE MATERIAL	Food grade polypropylene
BUNG MATERIAL	Food grade silicon
PROBE MATERIAL	Stainless steel 316L
DIMENSIONS	Enclosure 57 x 100 mm / Probe 140 mm Compatible with barrel hole Ø 45 to 52 mm
WEIGHT	0.5 kg
COMMUNICATION	LoRa version: distance up to 200 m Wi-Fi version: distance up to 50 m
WIRELESS CONECTIVITY	Wi-Fi: IEEE 802.11 b/g/n 2.4 GHz LoRa P2P: 868.1 MHz (Europe); 925.3 MHz (Asia, America, Africa and Oceania)
POWER SUPPLY	3 x 1.5 V AA-size alkaline batteries
DISTANCE TO LIQUID	
OPERATION RANGE	[0 ; 100] mm
RESOLUTION	1 mm
ACCURACY	± 2 mm
LIQUID TEMPERATURE	
OPERATION RANGE	[- 10 ; 85] °C
RESOLUTION	0.1 °C
ACCURACY	± 0.5 °C

DETECTION OF HANDLINGS EVENTS

NOTE: avoid direct contact of the enclosure with liquids