winegrid
Smart Oenology

wineplus
WP1110

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

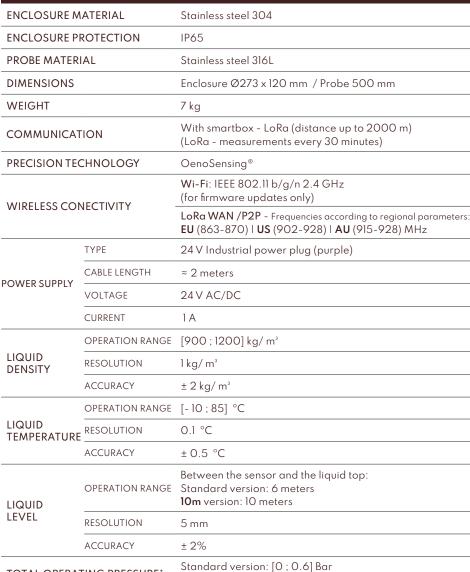## DENSITY, TEMPERATURE AND LIQUID LEVEL

Wireless connectivity
Plug & Play
Optimized for tanks
Winegrid platform compatibility
Monitor of fermentation kinetics events (start, stuck and end)

TECHNICAL SPECIFICATIONS

ENCLOSURE MATERIAL	Stainless steel 304
ENCLOSURE PROTECTION	IP65
PROBE MATERIAL	Stainless steel 316L
DIMENSIONS	Enclosure Ø273 x 120 mm / Probe 500 mm
WEIGHT	7 kg
COMMUNICATION	With smartbox - LoRa (distance up to 2000 m) (LoRa - measurements every 30 minutes)
PRECISION TECHNOLOGY	OenoSensing®
WIRELESS CONECTIVITY	**Wi-Fi**: IEEE 802.11 b/g/n 2.4 GHz (for firmware updates only)
	LoRa WAN /P2P - Frequencies according to regional parameters: **EU** (863-870) I **US** (902-928) I **AU** (915-928) MHz

POWER SUPPLY	TYPE	24 V Industrial power plug (purple)
	CABLE LENGTH	≈ 2 meters
	VOLTAGE	24 V AC/DC
	CURRENT	1 A
LIQUID DENSITY	OPERATION RANGE	[900 ; 1200] kg/ m³
	RESOLUTION	1 kg/ m³
	ACCURACY	± 2 kg/ m³
LIQUID TEMPERATURE	OPERATION RANGE	[- 10 ; 85] °C
	RESOLUTION	0.1 °C
	ACCURACY	± 0.5 °C
LIQUID LEVEL	OPERATION RANGE	Between the sensor and the liquid top: Standard version: 6 meters **10m** version: 10 meters
	RESOLUTION	5 mm
	ACCURACY	± 2%
TOTAL OPERATING PRESSURE*		Standard version: [0 ; 0.6] Bar **10m** version: [0 ; 1] Bar

*In pressurized tanks, includes the hydrostatic pressure of the liquid plus the pressure inside the tank.

Ø 273
250
120   70   150
DIN 50 / DIN 80
500
(mm)

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