

# Wineplus

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	Polycarbonate
ENCLOSURE PROTECTION	IP65
PROBE MATERIAL	Stainless steel 316L
DIMENSIONS	Enclosure 150 x 200 x 75 mm / Probe 500 mm
WEIGHT	2.5 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: <b>EU</b> (863-870)   <b>US</b> (902-928)   <b>AU</b> (915-928) MHz
POWER SUPPLY	TYPE 24 V power connector
	CABLE LENGTH ≈ 15 cm
	VOLTAGE 24 V AC/DC (Voltage Range: 18-28V AC and 20-32V DC) <sup>1</sup>
	CURRENT 1 A
LIQUID DENSITY	OPERATION RANGE [980 ; 1200] kg/ m <sup>3</sup>
	RESOLUTION 1 kg/ m <sup>3</sup>
	ACCURACY ± 2 kg/ m <sup>3</sup>
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: 10 meters
	RESOLUTION 5 mm
	ACCURACY ± 2%

TOTAL OPERATING PRESSURE<sup>2</sup> [0 ; 1] Bar

1) When the operating voltage quality is not guaranteed (recurrent faults, voltage spikes) we recommend installing a voltage stabilizer.

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

