



# winegrid

Smart Oenology

## wineplus WP1100

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

### DENSITY, TEMPERATURE AND LIQUID LEVEL

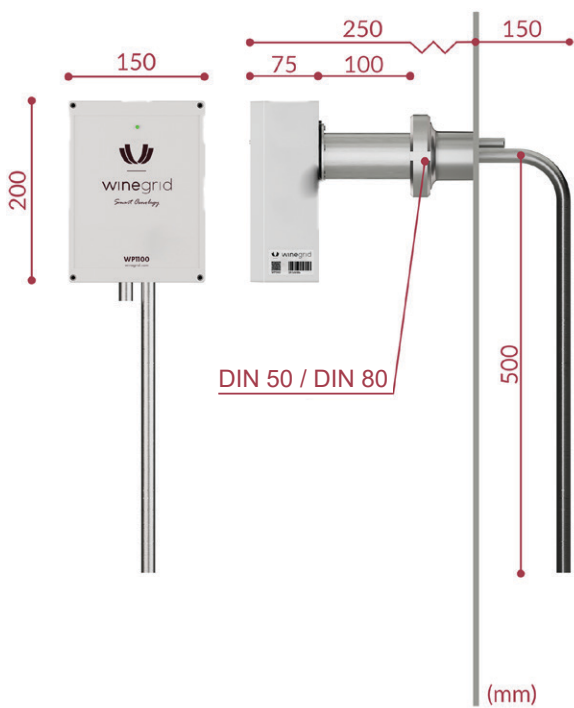
Wireless connectivity

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 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 <b>10m</b> version: 10 meters
	RESOLUTION 5 mm
	ACCURACY ± 2%
TOTAL OPERATING PRESSURE*	Standard version: [0 ; 0.6] Bar <b>10m</b> version: [0 ; 1] Bar

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