



winegrid

Smart Oenology

wineplus
WP1100

TRI CLAMP

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

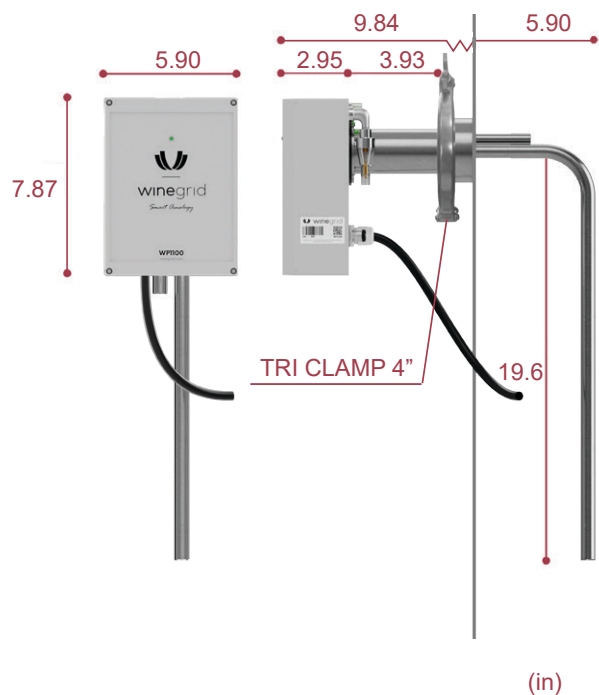
Winegrid platform compatibility

Monitor of fermentation kinetics events (start, stuck and end)



TECHNICAL SPECIFICATIONS

ENCLOSURE MATERIAL	Polycarbonate
ENCLOSURE PROTECTION	IP65
PROBE MATERIAL	Stainless steel 316L
DIMENSIONS	Enclosure 5.9 x 7.8 x 2.9 inches Probe 19.6 inches
WEIGHT	5.5 lbs
COMMUNICATION	With smartbox - LoRa (distance up to 1.24 miles) (LoRa - measurements every 30 minutes)
PRECISION TECHNOLOGY	OenoSensing®
WIRELESS CONNECTIVITY	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) US (902-928) AU (915-928) MHz
POWER SUPPLY	TYPE 24 V Industrial power plug (purple)
	CABLE LENGTH ≈ 6.56 feet
	VOLTAGE 24 V AC/DC
LIQUID DENSITY	CURRENT 1 A
	OPERATION RANGE [-28 ; 44] °Brix
	RESOLUTION 0.26 °Brix
LIQUID TEMPERATURE	ACCURACY ± 0.52 °Brix
	OPERATION RANGE [14 ; 185] °F
	RESOLUTION 0.18 °F
LIQUID LEVEL	ACCURACY ± 0.90 °F
	OPERATION RANGE Between the sensor and the liquid top: Standard version: 32.80 feet 10m version: 19.68 feet
	RESOLUTION 0.197 inches
TOTAL OPERATING PRESSURE*	ACCURACY ± 2%
	Standard version: [0 ; 8.7] Psi 10m version: [0 ; 14.5] Psi



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