winegrid

Smart Oenology

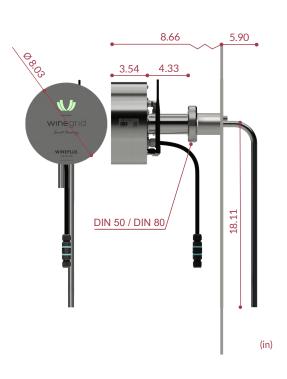# Wineplus
Premium

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
Configurable LED RGB alarme
Monitor of fermentation kinetics events (start, stuck and end)

DESIGN PATENT GRANTED DESIGN

TECHNOLOGY PATENT GRANTED TECHNOLOGY

TECHNICAL SPECIFICATIONS

ENCLOSURE MATERIAL		Stainless steel 304
ENCLOSURE PROTECTION		IP65
PROBE MATERIAL		Stainless steel 316L
DIMENSIONS		Enclosure Ø8.03 x 3.54 inches Probe 18.11 inches
WEIGHT		9.9 lbs
COMMUNICATION		With smartbox - LoRa (distance up to 1.24 miles) (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) | **US** (902-928) | **AU** (915-928) MHz
POWER SUPPLY	TYPE	24 V power connector
	CABLE LENGTH	≈ 5.9 feet
	VOLTAGE	24 V AC/DC (Voltage Range: 18-28V AC and 20-32V DC)[1]
	CURRENT	1 A
LIQUID DENSITY	OPERATION RANGE	[-28 ; 44] °Brix
	RESOLUTION	0.26 °Brix
	ACCURACY	± 0.52 °Brix
LIQUID TEMPERATURE	OPERATION RANGE	[14 ; 185] °F
	RESOLUTION	0.18 °F
	ACCURACY	± 0.90 °F
LIQUID LEVEL	OPERATION RANGE	Between the sensor and the liquid top: 19.68 feet
	RESOLUTION	0.197 inches
	ACCURACY	± 2%
TOTAL OPERATING PRESSURE[2]		[0 ; 14.5] Psi

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.

Ø 8.03
8.66
5.90
3.54
4.33
18.11
DIN 50 / DIN 80
(in)