



winegrid

Smart Oenology

e-charmat

SENSOR FOR REMOTE AND REAL-TIME MONITORING OF SECOND FERMENTATION IN TANKS WITH PROPRIETARY TECHNOLOGY

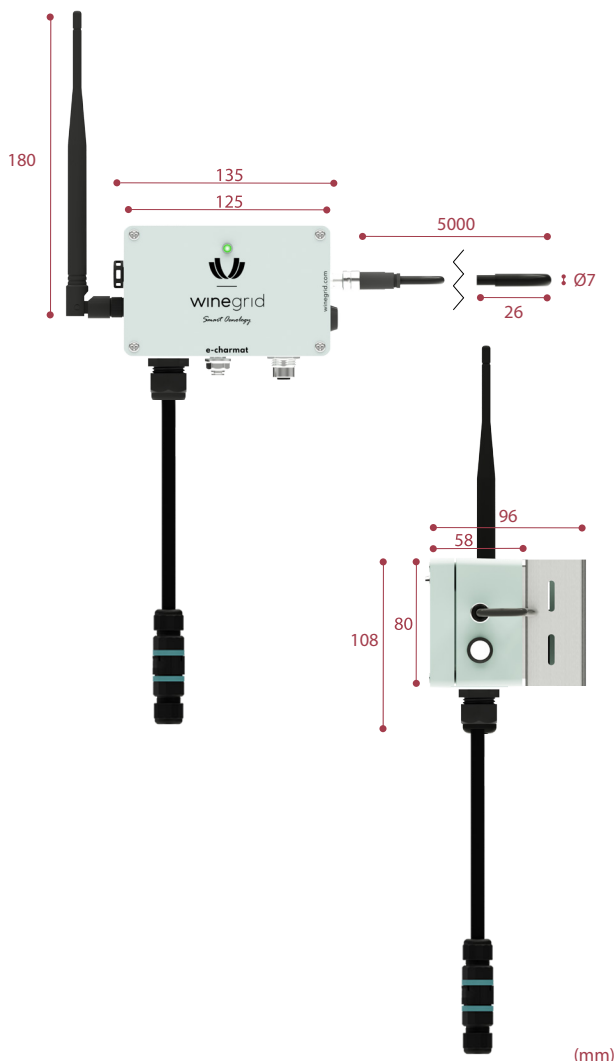
PRESSURE AND TEMPERATURE

Wireless connectivity

Plug & Play

Optimised for tanks

WINEGRID platform compatibility



TECHNICAL SPECIFICATIONS

ENCLOSURE MATERIAL	Aluminium
ENCLOSURE PROTECTION	IP65
DIMENSIONS	Enclosure 125 mm x 80 mm x 58 mm
WEIGHT	1 kg
COMMUNICATION	LoRa: distance up to 2000 m
LORA FREQUENCY P2P	LoRa P2P: EU - 868.1 MHz US/AU - 925.3 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) ¹⁾
CURRENT	1A
PRESSURE	
OPERATION RANGE	0-10 bar
RESOLUTION	0.01 bar
ACCURACY	± 0.05 bar
INPUT DIAMETER	Ø 4mm
TEMPERATURE	
OPERATION RANGE	[-10; 85] °C
RESOLUTION	0.1 °C
ACCURACY	± 0.5 °C
PROBE DIMENSIONS	Ø 7mm x 26mm
CABLE DIMENSIONS	Ø 4mm x 5m (other lengths by request)

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