winegrid
Smart Oenology

Innovative Technological Solutions for Precision Winemaking

WINEGRID technology offers innovative and integrated solutions for remote and real-time monitoring during the entire winemaking process. The information obtained by sensors is analyzed and interpreted through advanced algorithms and artificial intelligence (AI) within a computational system. The information is then collected in a digitalized visualisation platform, the WINEGRID Dashboard, that allows for a secure and reliable overview of the situation at the winery at any time. WINEGRID allows winemakers to act proactively and easily achieve the desired winemaking goals.

winegrid.com

OPTIMIZE THE WINEMAKING PROCESS

CONTINUOUS MONITORING
of the entire process in real-time and remotely

HIGH ACCURACY AND RELIABILITY
in data collection and processing

GREATER OPERATIONAL EFFICIENCY
by improving human resource management and reducing costs

LESS WINERY WASTE
by reducing must and wine losses

PRESERVATION OF WINE QUALITY
by preventing defects

PROACTIVE SYSTEM
that allows for immediate intervention

TRACEABILITY OF OPERATIONS
and analysis of process evolution

ADJUSTABLE AND ADAPTABLE
to winemaker needs through customizable alerts

SOLUTIONS FOR MONITORING WINEMAKING STAGES

TANK ALCOHOLIC FERMENTATION

Two precise and accurate systems that measure liquid height, temperature and density while monitoring fermentation kinetics and yeast behavior.

Wineplus WP1110
Stainless steel casing with an innovative RGB LED visual alarm.

Wineplus WP1100
Polycarbonate casing.

BARREL ALCOHOLIC FERMENTATION

Barrelplus BP1011
Measures temperature and density for better management of fermentation progress and yeast requirements.

SECOND FERMENTATION

Two solutions for monitoring sparkling wine production that allow winemakers to monitor the evolution of pressure and, as a result, to achieve a consistent *perlage*. This proactive approach prevents pressure fluctuations, avoiding a reduction in quality.

e-aphrom
Designed for Champenoise method, measures temperature, pressure and detects bottle movement.

e-charmat
Designed for Charmat method, monitors temperature and pressure in tanks.

BARREL MATURATION

e-bung
Monitors temperature, distance to liquid, and detects sensor movements, optimizing the management of top-offs. Better control of air space reduces the potential presence of oxygen, and helps prevent the development of microorganisms (*Brettanomyces* and/or *Acetobacter*), and therefore, SO_2 losses.

WINERY ENVIRONMENT

smartcellar
Allows winemakers to monitor the temperature, humidity and CO_2 levels in the winery, offering movement detection as well. It helps provide a healthy and safe environment for the operator, while also controlling the environmental conditions that play an important role in ensuring final wine quality.

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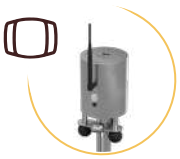
SCAN THIS

AND GET WINEGRID PORTFOLIO!

wineplus WP1110

wineplus WP1100



barrelplus BP1011

e-aphrom

e-charmat

e-bung

smartcellar

		FERMENTATION			SECOND FERMENTATION		MATURATION	ENVIRONMENT
		Density, Temperature and Liquid Level		Density and Temperature	Pressure, Temperature and Handlings	Pressure and Temperature	Distance to Liquid, Temperature and Handling	Temperature, Humidity, CO_2 and Handling
	OenoSensing® Precision Technology	✓	✓	✓				
	Patented Technology	✓	✓	✓			✓	
	Patented Design	✓					✓	
	Designed for Bottles				✓			
	Designed for Tanks	✓	✓			✓		
	Designed for Barrels			✓			✓	
	Designed for Wineries							✓
	RGB Alarm	✓						
	Wi-Fi Communication				✓		✓	✓
MATERIAL TYPE	Probes	Stainless Steel 316L	Stainless Steel 316L	Stainless Steel 316L	Aluminum	ABS	Stainless Steel 316L	--
	Enclosure	Stainless Steel 304	Polycarbonate	Stainless Steel 304	Polypropylene	Aluminum	Polypropylene	ABS

COMMON FEATURES

- Food Safe
- IP65
- Easy Cleaning
- Easy Maintenance
- LoRa Communication
- Connection via Smartbox
- Warranty
- Industry 4.0

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by

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Inspiring innovation.

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