

THE STATE OF THE ART

laboratory refractometer

The determination of the phenolic maturity trend is an essential element in order to manage the ripening phase and then decide the correct wine-making technique, in consideration of the importance of the phenolic components such as colour, astringency, body, flavour, on the wine final characteristics.

The MT-00 can measure:

1. Potential and Total anthocyanines (TA)
2. Anthocyanines extractability (AE)
3. Contribute of tannins and grape seeds (Mp)
4. Total Polyphenol Index (IPT)
5. Tonality (T)
6. Phenolic Quality (PQ)

Indeed determining the evolution of the phenolic substances of different vineyards, their total amount but especially their potential extractability, is an important step for deciding the right time for harvesting. The analysis only requires a not filtered sample being not treated with expensive and really pollutant chemical reagents.



Benefits

- Basic and high accuracy versions
- Robust stainless steel case
- 2 decimal place resolution
- Portable with batteries
- Software for data analysis

MT01

DIFFUSE REFLECTANCE SPECTROPHOTOMETER

PHENOLIC MATURITY TREND

OPERATING SPECIFICATION

LR05 SA (Super Accuracy)

Measurement limits:	1.3271 ... 1.5318 nD(0...95Bx)
Accuracy:	+/- 0.00002 nD (+/-0.01Bx)
Measurement scale:	nD, BRIX, HFCS42 and HFCS55 with adjustable Zero value and 10 "USER" scales totally configurable.
Product temperature:	5...60 °C with automatic compensation of measured temperature Peltier Cell available.

LR05 HA (High Accuracy)

Measurement limits:	1.3271 ... 1.5318 nD(0...95Bx)
Accuracy:	+/- 0.00005 nD (+/-0.03Bx)
Measurement scale:	nD, BRIX, HFCS42 and HFCS55 with adjustable Zero value and 10 "USER" scales totally configurable.
Product temperature:	5...60 °C with automatic compensation of measured temperature Peltier Cell available.

LR05 ST (Standard Accuracy)

Measurement limits:	1.3271 ... 1.5318 nD(0...95Bx)
Accuracy:	+/- 0.00007 nD (+/-0.05Bx)
Measurement scale:	nD, BRIX, HFCS42 and HFCS55 with adjustable Zero value and 1 "USER" scale totally configurable.
Product temperature:	5...45 °C with automatic compensation of measured temperature

Note: for all different models, accuracy refers to measurement of certified standard sucrose solution up to 50 Brix at 20°C.

TECHNICAL FEATURES

Quantity of analyzed sample:	~ 3 cc
Measuring Time:	Approx. 5 sec
Power supply:	AC 115/230V ±10% 50/60Hz
Interface:	Windows based' touchscreen panel
Outputs:	Ethernet – 2xUSB
Protection Category:	IP65 according to EN60529
Dimension:	262 (w) x 125 (h) x 261 (d)
Weight:	5 kg

More products
For the analysis of
liquids concentration

UR24

process refractometer
Ultimate



UR62

process refractometer
Basic



LR02

Portable lab refractometer



maselli
PROCESS ANALYZERS

43125 Parma - Italy - Tel. +39.0521.257411

www.maselli.com

