


Product Specification Sheet – *Instrument Data Sheet*

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1. IDENTIFICATION OF THE PRODUCER / COMPANY		
<b>Company name:</b>	Biorealis, s.r.o.	
<b>Company address:</b>	Radliského 9 811 07 Bratislava Slovak Republic	
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2. IDENTIFICATION OF THE PRODUCT		
<b>Product name:</b>	omnilab - W	
<b>Product code:</b>	W100	
<b>Application:</b>	Oenology sector	
<b>Description:</b>	<p>Compact amperometric analyzer with bipotentiostat for two simultaneous measurements by double biosensors.</p> <p>The device measures 10 important analytes in wine and must* .</p> <p>Measurements are performed directly in 1.5 ml microtubes placed in a rotating hole by interchangeable biosensor inserted into static probe.</p> <p>Control of instrument by touchscreen.</p> <p><i>*[Glucose, Fructose, Malic acid, Lactic acid, Glycerol, Alcohol, Acetic acid, Total acidity, Free Sulphur Dioxide, Gluconic acid]</i></p>	
	<p><b>Product scheme:</b></p> 	
3. SPECIFICATION OF THE PRODUCT		
<b>Measuring principle:</b>	Enzymatic amperometric; Electrochemical bio/sensors	
<b>Measuring specification:</b>	<b>Analyte:</b>	<b>Analyte range:</b>
	Glucose/Fructose	0.2 – 8.0 g/l
	Malic/Lactic acid	0.1 - 4.5/ 0.1 - 3.0 g/l
	Glycerol	0.1 – 3.0 g/l
	Alcohol	0.005 – 0.075 vol. %
	Acetic acid	0.05 - 1.2 g/l
	Total acidity	1.0 - 7.5 g/l
	Sulphur dioxide	1.0 - 40.0 mg/l
	Gluconic acid	0.05 – 5.0 g/l

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4. TECHNICAL PARAMETERS	
<b>Measuring time:</b>	from 4,5 to 8 min depending on analyte
<b>Operating:</b>	7x4 cm touch screen
<b>Power supply:</b>	rechargeable battery or AC 230V using adapter 9V
<b>Watt consumption:</b>	3W
<b>Dimensions:</b>	21x15x8 cm
<b>Weight:</b>	2,2 kg
<b>Permissible temperature:</b>	
<i>Storage:</i>	5 to 40°C
<i>Operation:</i>	15 to 30°C
<b>Permissible humidity:</b>	10 to 80 % r. h. (non-condensing)
<b>Interfaces:</b>	USB
<b>Servise life:</b>	2 years after installation
5. SYSTEM ACCESSORIES, CONSUMABLES, OTHERS	
<b>Product code:</b>	<b>Item</b>
W101	Adapter
W102	Stand for microtubes
W103	Pipette
W104	Funnel
M201	Biosensor for Glucose/Fructose
M202	Biosensor for Malic/Lactic acid
M203	Biosensor for Glycerol
M204	Biosensor for Alcohol
M205	Biosensor for Acetic acid
M206	Biosensor for Total acidity
M207	Sensor for Sulphur dioxide
M208	Biosensor for Gluconic acid
M301	Reagent kit for Glucose/Fructose
M302	Reagent kit for Malic/Lactic acid
M303	Reagent kit for Glycerol
M304	Reagent kit for Alcohol
M305	Reagent kit for Acetic acid
M306	Reagent kit for Total acidity
M307	Reagent kit for Sulphur dioxide
M308	Reagent kit for Gluconic acid
M401	Universal standard
W402	Standard for Alcohol
W403	Standard for Sulhur dioxide
W404	Standrad for Total acidity
W501	Syringes and microtubes for elimination of polyohenols
W502	Microtubes with water for measuring
W503	Tips for pipette
W504	Microtubes of 0,5 ml for sample filtrate
W505	Measuring solution for Sulphur dioxide
W506	Microtubes with water for 200-x diluition of sample (alcohol determination)
5. COMPOSITION OF INITIAL SET	
1 instrument, 1 adapter, 1 stand for microtubes, 1 pipette, 1 scissors, 1 funnel, 1 plastic box with 50 microtubes containig 1 ml of water, 1 case	