

MULTIPARAMETRIC LABORATORY LM03

Page 1 of 1

| | | CENEDAL SDECIEICATIONS | |
|---|--|------------------------------|---|
| IECHNICAL SPECIFICATIONS AND STANDARDS | | GENERAL STEUITICATIONS | |
| Ambient Characterist | tics | Supplies Electrical: | DC $\pm 51/4\Delta$ $\pm 121/2\Lambda$ $\pm 121/4$ $\Delta 5\Lambda$ with power |
| <u>Temperature Limits</u> : | | Electrical: | D = T = 0 $4A$, $T = 2V = 2A$, $-12V = 0.3A$ WIII $P = 0.000$ |
| Ambient: 5. | 45 °C (for sugar solutions) | | Connection power supply via cable with SP7748 |
| Storage: -2 | 20+70 °C | | (EEC-7) 10A/250V plug for EC versions or P620 |
| Humidity Limits: | | | 15A/125V plug for US versions. |
| Ambient: 59 | %95% (R.H. non-condensing) | Interfaces | |
| Storage: 59 | %95% (R.H. non-condensing) | Serial: | RS232 for connection to a PC via 9-pin male D |
| <u>Altitude Limits:</u> | <2000 m a.s.l. | | connector. |
| Protection category: | IP52 to EN60529 | Parallel: | CENTRONICS for Printer connection – via 25-pin |
| Conformity to Directives | | 17.1 | female D-connector. |
| EMC_{i} 2004/108/EC and subsequent modifications: | | USD: Ethomati | A type for external connection. |
| <i>EMC:</i> 2004/106/EC and subsequent modifications: | | PS/2 | MiniDIN 6P F for external connection keybord and |
| | | 1 5/2 | mouse. |
| *CE mark shows conformity to listed EU Directives | | | |
| ODEDATIVE SDECIEICATIONS | | CONSTRUCTION FEATURES | |
| UPERAI | IVE STECIFICATIONS | MEASURE | CMENT SYSTEM |
| <u>Application:</u> | ivieasurement of natural, stopped, | Execution: | One-piece enclosure in 304 AISI stainless |
| | wines and fermentation process | | steel. |
| | control in Winery laboratories. | Measur. section | on: -Synthetic sapphire measurement prism. |
| Measurement type: | Refractometric and conductivity | | -Electronically compensated LED light source. |
| | measurement display in selected scale | | -UUD SERSOF Element. |
| | of temperature compensated | | -316 AISI stainless steel measurement how |
| | measurement, monitoring of | The unit's or | otical section is dehumidified by means of a Molecular |
| | fermentation trend, administration of | Sieve desico | cant cartridge. |
| | enrichment and additions with | Electronic Se | ction: -Microprocessor CPU main unit. |
| | analytical data | | -Measurement readings and program menus |
| Maggunom ant limita | 1 2220 1 5177 pD | | presented on 2x16 character backlit |
| <u>Automatic conversion of reading in the following measurement</u> | | | alphanumeric LCD. |
| scales, with limits corresponding to: | | | -Moulded keypad in scratchproof polyester |
| 090 degrees BRIX 035 degrees BABO | | | with dome keys. |
| 040 degrees BAUME' | | | -Automatic zero calibration. |
| - | 080 g/l x Total Extract | | -Automatic Start with sensor on cover analysis |
| | 030% v/v x Potential alcohol | Product cor | DOWI. |
| | 020% v/v x Distilled alcohol | I Toutet con | -Measurement bowl in 316 AISI stainless |
| 4.000000000 | 05 mS/cm x Conductivity | | steel. |
| <u>Accuracy:</u> | ± 0.0004 HD (± 0.03 BHX) of equivalent for corresponding scales | | -Synthetic sapphire measurement prism. |
| | >1 g/l for wines and musts | | -Silicone coated fibreglass fabric. |
| | >0.1 v/v for distillates. | PROCESSI | ING SYSTEM |
| | >2 g/l for fermentation musts. | Execution: | One-piece 304 AISI stainless steel enclosure. |
| | >0.05 mS/cm. | Electronic see | ction: -Industrial monoboard microprocessor CPU. |
| Measurement scales: | N°6 measurement scales selectable | | -Graphic displays on 800x600 10.4" touch |
| | from touch screen: | | screen. |
| | -BRIX, BABO, BAUME'; the "BRIX" | | -512 MB Flash Memory. |
| | conversion tables | | -External power supplier housed in black ABS |
| | -Nº1 "USER DISTILLATES" scale | | DOOKSTAND ENCLOSURE. |
| | utilized for alcohol contents of | | administration of "Lots" recording all the |
| | distillates. | | operations and analyses performed |
| | -N°2 "USER" scales configured as | | periodically for each fermentation tank. |
| | "Potential alcohol" and "Volumetric | Dimensions | and weight: |
| | | | 342 (w) x 319 (h) x 485 (d). 11.5 ka |
| Product temperature: | 545 °C with automatic compensation | | |
| | Pt1000 ceramic temperature sensor | | |
| | Class "B" to IEC751. | | |
| Quantity of analyzed sample: | | | |
| | ~3 cc for concentration analyses. | | |
| | ~20 cc for conductivity measurements. | | |
| Cycle duration: | 530 s depending on type of analysis. | | |