MAXX SP5 B
Fixed site sampler in plastic housing, especially suited for high ambient temperatures. For automatic sample extraction according to the vacuum principle. Mains operation 230V/50Hz.

<table>
<thead>
<tr>
<th>Type</th>
<th>Fixed site sampler</th>
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</thead>
<tbody>
<tr>
<td>Housing</td>
<td>Made of PE with 50 mm insulation/Styrosun/PC (GF10). Housing separated in lower part (sample compartment) and upper part (control). Each part with lockable door resp. hood. Protective hood (made of Styrosun) which can be opened for operation of the control unit and service at the dosing unit.</td>
</tr>
<tr>
<td>Thermostatic control</td>
<td>Self-contained, controlled cooling / heating with 4 settings, no-frost. independent of the programmable controller, Temperature in sample compartment: 4°C (adjustable from 0,0-9,9°C)</td>
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<tr>
<td>Control</td>
<td>Microprocessor control, Sleep-Mode (&lt;5mA), power supply 8-16 V foil keyboard (with keys 0-9, ESC, ENT, cursor), graphical display (128*64 Pixel), back lit</td>
</tr>
<tr>
<td>Data logger</td>
<td>3000 entries, nonvolatile data memory; storage of sampling and malfunction data like sample extractions, bottle changes, messages, external signals. optional with I/O add-on-board expandable to 32GB</td>
</tr>
<tr>
<td>Programming</td>
<td>12 freely programmable user programs, with function to link programs.</td>
</tr>
<tr>
<td>Program start options</td>
<td>Immediately; at a certain time; by an external signal</td>
</tr>
<tr>
<td>Program stop options</td>
<td>End of sampling program after one program run; continuous operation or x-runs</td>
</tr>
<tr>
<td>Pause mode</td>
<td>Interruption of program run at any time</td>
</tr>
<tr>
<td>Overfilling protection</td>
<td>Adjustable from 1–999 samples/bottle</td>
</tr>
<tr>
<td>Interval setting</td>
<td>1 min. to 99 h 59 min. in steps of 1 minute</td>
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<tr>
<td>Pulse setting</td>
<td>1 to 9999 pulses/sample</td>
</tr>
<tr>
<td>Manual sample extraction</td>
<td>Possible at any time without interrupting the current program run</td>
</tr>
<tr>
<td>Program protection</td>
<td>Up to 5 years after voltage loss</td>
</tr>
<tr>
<td>Interface</td>
<td>Mini-USB, RS422/485, RS 232 optional: Ethernet RJ45</td>
</tr>
<tr>
<td>Communication</td>
<td>Optional: Modbus, connection via DP PROFIBUS Optional: LAN/WLAN via TCP/IP RJ45, with IE-Browser, memory 4-32GB SD/SDHC</td>
</tr>
<tr>
<td>Languages</td>
<td>Multi-language, selectable</td>
</tr>
<tr>
<td>Signal inputs</td>
<td>• 2 x analogue: 0/4-20 mA, • 8 x digital (flow, event, 1 inputs can be programmed freely) option: expandable with 4x digital, 3 inputs can be programmed freely, and 8x analogue 0-20 mA or 0-10 V, Impulslength 60ms, switching level 7-24 V, max. working restistance 500 Ohm, max. length of signalcable 30 m</td>
</tr>
<tr>
<td>Signal outputs / status messages</td>
<td>• 8 digital outputs, 1x of them as collective malfunction message option: expandable with 8 digital, 5 are freely programmable (in total 6 messages)</td>
</tr>
<tr>
<td>Sampling method</td>
<td>-Vacuum system 20-350 ml Option: vacuum VAR flow-proportional system 5-250 ml Option: peristaltic pump</td>
</tr>
<tr>
<td>Single sample volume accuracy</td>
<td>Vacuum system: &lt; 2.5 % or ± 3 ml Peristaltic pump: ± 5 % or ± 5 ml</td>
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<tr>
<td>Suction height</td>
<td>Max. 7.5 m (at 1013hPa and stagnant medium), optional 8.5 m</td>
</tr>
<tr>
<td>Pumping speed</td>
<td>&gt;0,5 m/s at suction height up to at least 6 m (at 1013h Pa); pump capacity can be adjusted electronically</td>
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<tr>
<td>Suction hose</td>
<td>PVC, L=7,5 m, ID=10 mm. Max. hose length 30 m</td>
</tr>
<tr>
<td>Sampling modes</td>
<td>Time-related, flow-dependent, flow-proportional, event-related, manual sample extraction</td>
</tr>
</tbody>
</table>
| Bottle variants | Plastic  
1 x 25 L  
4 x 14 L  
4 x 10 L  
12 x 2,9 L, 24 x 1,0 L  
Glass  
12 x 2,0 L  
24 x 1,0 L |
| Overall dimensions | (Hxwxd)  
1.100 (1.640*) x 760 x 745 mm  
*) with opened top |
| Weight | Approx. 75 kg with composite container, higher weight when using several bottles and/or glass bottles |
| Power supply | 230 V / 115 V /AC |
| Power requirement | Approx. 350VA (with cooling) |
| Ambient temperature | -20 – 45°C |
| Sample temperature | 0 – 40°C |
| Standards | CE, Sampling according to ISO 5667-2/3-10 |
| Wetted materials | PC, PVC, Silicone, PS, PE, EPDM (optional: metering vessel glass Duran50, sinker weight SS304) |

Make: MAXX  
Type: SP5 B  
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Subject to technical changes. *) Patent No. DE 19726550A1, DE 19726549A1 and VAR unit DE 10008623.3

Authorised distributor

In Australia:  
For customer service, call 1300-736-292  
To fax an order, use 1800-067-639  
To email an order, ordersau@thermofisher.com

In New Zealand:  
For customer service, call 0800-933-966  
To fax an order, use 0800-329-246  
To email an order, ordersnz@thermofisher.com