

## Liquid Handler (8 channel)

<p><b>Parameters</b></p>	<p><b>Dispense Head:</b> 8 nozzles  <b>Tubing:</b> Silicon tube  <b>Pump:</b> Peristaltic pump  <b>Dimension of body:</b> 1120 x 188 x 147 mm  <b>Dimension of controller:</b> 487 x 302 x 285 mm  <b>Weight:</b> 29kg  <b>Plate:</b> 8, 24, 32, 48, 96 wells</p>
<p><b>Performance</b></p>	<p><b>Dispense volume:</b> 30<math>\mu</math>L - 500<math>\mu</math>L (1<math>\mu</math>L adjustable)  <b>Dispense speeds:</b> 9 speeds (adjustable: low to fast)  300 plates/hour (100<math>\mu</math>L, 9<sup>th</sup> speed)  <b>Conveying belt:</b> 9 speeds (adjustable: low to fast)  <b>Plate counts:</b> 0 - 999,999  <b>Clean time:</b> 1-120 seconds  <b>Prefilling time:</b> 1-120 seconds  <b>Recovery time:</b> 1-120 seconds  <b>Plate consistency:</b> <math>\leq</math>2% (100<math>\mu</math>L)  <b>Well consistency:</b> <math>\leq</math>2% (100<math>\mu</math>L)  <b>Well CV in plate:</b> <math>\pm</math>2<math>\mu</math>L</p>
<p><b>Functions</b></p>	<p><b>Prefill:</b> before dispense, prefill the tube and eliminate air/foam  <b>Recovery:</b> recall all liquid/reagent from tube to liquid/reagent container  <b>Dispense speed:</b> total 9 speeds, may according to viscosity to adjust speed, high viscosity use high speed, low viscosity use low speed  <b>Clean:</b> clean the tube before or after use  <b>Conveying belt:</b> 9 speeds adjustable</p>
<p><b>Working condition:</b></p> <ol style="list-style-type: none"> <li><b>Temperature:</b> 10<math>^{\circ}</math>C ~ 30<math>^{\circ}</math>C</li> <li><b>Relative humidity:</b> <math>\leq</math>70%</li> <li><b>Atmospheric pressure:</b> 700hPa ~ 1060hPa</li> <li><b>Power supply:</b> 220V<math>\pm</math>22V, 50Hz<math>\pm</math>1Hz</li> <li><b>Preheating time:</b> <math>\geq</math>5min</li> </ol>	