



**TECHNOCRATICS (Pvt) Ltd.**

ISO 9001:2015 Certified Company

### High Performance Liquid Chromatograph (HPLC) manual

Description	Image
<p><b>High Performance Liquid Chromatograph (HPLC)</b></p> <p>Complete HPLC Series</p> <p>Binary pump</p> <p>Rheodyne Manual Injector Valve</p> <p>EZ Chrom Software control software</p> <p>Complete refurbished system</p> <p><b>All necessary spare parts</b></p> <p>Double beam monochromator, dual lens flow cell, pursue super elevation sensitivity.</p> <p><b>UV detector</b></p> <p>Wavelength range: 190~700nm</p> <p>Wavelength precision: <math>\pm 1</math>nm</p> <p>Wavelength repeatability: 0.1nm</p> <p>Dynamic baseline noise: <math>\leq 1 \times 10^{-5}</math> AU (wavelength 254nm, flow velocity 1ml/min, pure methanol)</p> <p>Dynamic baseline drift: <math>\leq 2 \times 10^{-4}</math> AU (wavelength 254nm, flow velocity 1ml/min, pure methanol)</p> <p>Detection limit: <math>\leq 4 \times 10^{-9}</math> g/ml (wavelength 254nm, flow velocity 1ml/min, pure methanol, sample: naphthalene)</p> <p>Spectrum bandwidth: 8nm</p> <p>Flow cell volume: 8<math>\mu</math>l</p> <p>Optical distance: 10mm</p> <p><b>Pump</b></p> <ul style="list-style-type: none"><li>• Flow range: 0.001~9.999ml/min</li><li>• Increment/step: 0.001ml</li><li>• Flow precision <math>\leq 0.1\%</math> RSD</li><li>• Max work pressure: 42MPa(420bar)</li><li>• Pressure fluctuation: under pressure range, when 1mL/min, <math>&lt; 10</math>mV</li><li>• Compressible compensation: According to mobile phase auto adjustment or user choice</li><li>• Material: SS for non-corrosive pump head</li><li>• Online washing for plunger to prevent abrasion of plunger and seal due to buffer salt dissolve-out, improving life expectancy and stability</li><li>• Discard big buffer and reduce dead volume via using innovative pressure feedback and capillary technology</li><li>• Floating plunger system to correct mechanical processing deviation</li></ul> <p>Make: Younglin, Korea</p>	