



AIS 2010 ISOCRATIC PUMP

P/N PE000000

With flow rate **0.01 – 10 ml/min** and limit of pressure **40 MPa** is this pump suited for **analytical** applications in liquid chromatography. It is designed with main and auxiliary pump heads connected in series with piston diameter of 1/8".

Quite new concept of electronic controlling, pump drive, pistons suspensions, shape of cams, pressure transducer and check valves expand its

functions and improve its reliability against leading Pumps in the market.

Intuitive operating using simple keypad allow **easy** chose functions as follow:

- **flow rate**
- **maximal flow rate- PURGE** (for priming and washing)
- **low pressure limit**
- **high pressure limit**
- **pulsation compensation on-off**
- **pressure unit** (PSI, MPa or bar)
- **control mode** (by keypad, RS232 or using voltage)
- **display brightness**

Two **LED displays** allows to watch (also from a distance) adjusted flow rate and operating pressure. By pump function choosing, give you this displays enough of information for adjusting.

There is possibility to use this pump **by high pressure gradient mode**, where are two, tree or four unit controlled from PC using RS232 or voltage.

By work with buffered solvents is possible to use pistons **back washing**.

Specification

Maximum operating pressure	40 MPa
Flow Rate Accuracy	< ± 1%
Flow rate	0.01 –10 ml/min in 0.01 steps
Precision of flow rate adjusting (1 ml/min, 12 MPa, H ₂ O)	± 0.29%
Upper pressure limit	0,1 - 40 MPa
Lower pressure limit	0 - 39.9 MPa
Wetted materials	Stainless steel, PEEK, PTFE, ceramic
Control	By keypad, RS232 or voltage 0-10 V
Power supply	100, 115, 230 V ± 10% , 50, 60 Hz
Power input	30 VA
Dimensions (W x H x D)	220 x 170 x 450 mm
Weight	8.5 kg