ISCO 65DM Syringe Pump

Brand:
Product Code: isco-65dm
Availability: Call for availability
Call for Price: 832-320-7300

Description

The 65DM syringe pump provides precise, predictable flow and pressure control at flow rates from sub-microliter to 30 mL/min. Exceptional low-flow stability at up to 10,000 psi (690 bar) makes this the ideal pump for high pressure applications from deep well core analysis to multi-dimensional capillary LC using small-bore packed capillary columns. The D-series controller has a keypad and LCD, as well as built-in and optional interfaces for computer control and other devices. Programming is easy and flexible, with instant access to menu screens even when the pump is running. This allows you to change operating parameters on the fly. An optional extension cable lets you locate the controller up to 15 meters (50 feet) from the pump. The 65DM pump module has a single-ratio drive train with auto-lubricating gears for long life and low maintenance. Special fittings are used to prevent leaks and ensure safety at maximum pressure. Wetted materials are compatible with most aqueous and organic liquids, corrosive solutions, heated fluids, liquefied gases, viscous fluids, or slurries and pastes. <h2>Applications</h2> High-pressure experiments requiring precision control Proteomics research using nanobore capillary packed columns Rock core analyses for hydrocarbon recovery studies in deep-well reservoirs Chemical/Reactant feed in chemical process development, catalyst evaluation, plastic formation <h2>Standard Controller Features</h2> Operating Modes <ul> Constant flow or pressure with up to four pumps Gradient LC programming Flow or pressure programming with a single pump   External Interface <ul> RS232/485 serial interface Analog voltage inputs Digital inputs and output

<h2>Specifications</h2> Capacity: 67.97 mL Flow Range (mL/min): 0.01 µL–30 mL/min Flow Accuracy: + 0.3% of setpoint, (Maximum .25 ?L/min seal leakage) Displacement Resolution: 2.55 nl/stop Pressure Range: 10–10,000 psi (0.7–689 bar) Standard Pressure Accuracy: 0.5% FS Optional Pressure Accuracy: 0.1% FS Wetted Materials (Standard): Nitronic 50, Graphite filled PTFE, TFE, Hastelloy C-276, Inert Polymers Plumbing Ports: 1/8" Valco Operating Temperature: 5–40 °C Ambient Power Required: 100 VAC, 117 VAC, 234 VAC, 50/60 Hz (specify) Dimensions (H x W x D) 40.6 x 10.7 x 18.4 in (103 x 27 x 47 cm) Weight: Pump unit— 72.3 lb (32.8 kg) Controller— 6.5 lb (3.0 kg) Standards Conformity: EN61326:2013, EN61010-1:2010 Compliant to the European Machinery Directive 2006/42/EC and the European Pressure Equipment Directive (PED) 2014/68/EU