

Accu™ SERIES Digital Pumps

High Precision, Variable Speed Continuous-Duty Pumps



- **Piston**
- **Peristaltic**
- **Magnetic Gear**

Wide choice of models available with various flow ranges.

Accu models are defined by type of pump head used and speed of motor. All Accu models are high-precision.



Accu FM Piston Models
for low-flow metering; e.g., monomers, polymers, additives, catalysts, adhesives, pigments, fragrance, vitamins, flavors.
Flow Range: 0.005 - 340 ml/min.



Accu CP Peristaltic Models
for sterile low-flow metering. Also excellent for slurries & higher viscosity fluids.
Flow Range: 0.02 - 2200 ml/min.



Accu MP Magnetic Gear Models
for pulseless metering of clear, clean, low viscosity fluids: e.g., organic solvents, adhesives, dyes, spray coatings, preservatives.
Flow Range: 5 - 3700 ml/min.

- **High Performance at a Low Price.**

The Accu Series are high precision pumps with **optically encoded**, **servo-controlled**, **continuous-duty motors**. Pump speed displays on the front panel LED. Has **reversible flow**. Wide choice of pump models.

- **Accu PumpSense Safety.**

PumpSense protects your pump from torque overload. This is a safety feature. PumpSense **protects** your **motor**, **circuits** and **pump head** from damage. With torque overload, the Accu goes into standby mode and display indicates overload.

- **Remote Control.**

Remote variable speed control via **4-20 mA** or **0-5 V** input signals from external devices to proportionally change pump rate. Remote On/Off control via **footswitch**. Remote serial pump control of speed, direction, on/off from your PC via RS-232. **Multiple pump** control via **RS-232** by daisy-chaining up to 32 Accu units.

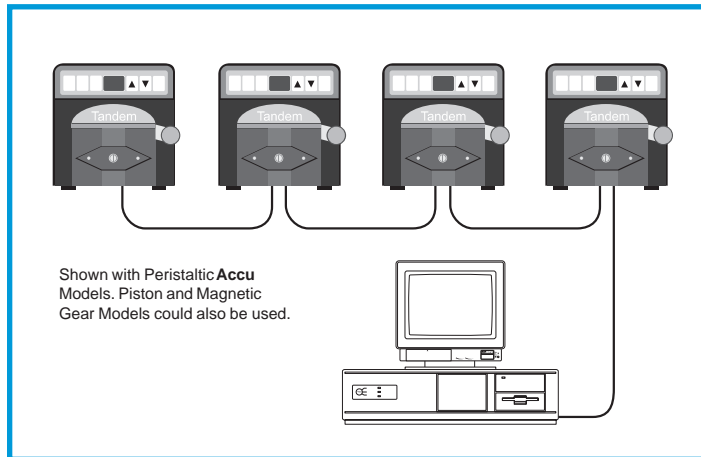
- **Stackable, Space-saving Design with Small Footprint.**

5.75" W x 11" L x 6" H.

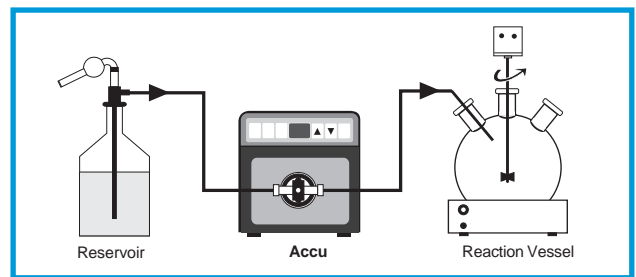
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Sample Applications:

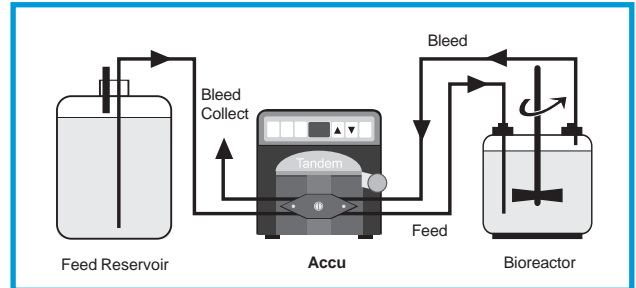
Daisy-chain Control of Multiple Accu Digital Metering Pumps.



Polymer / Organic Synthesis: Simple Control of Reactants.



Simple Control of Bioreactor Feeds.



SciLog Accu Digital Pump

110 VAC Models mounted with Pump Heads; Ready to use, just add tubing.

SCIOLOG #	DESCRIPTION OF ACCU PUMP CONTROLLER WITH PUMP HEAD MOUNTED
PERISTALTIC , Max pressure: 40 psi; can piggy-back 2 heads to increase # channels of flow; use Silicone, PharMed, C-Flex	
100-018-8	Accu CP-8 mounted w/TANDEM dual channel peristaltic head, 0.02-24 ml/min, thin-walled, Max 8 RPM
100-018	Accu CP-10 mounted w/TANDEM dual channel peristaltic head, 0.05-554 ml/min, thin-walled, Max 160 RPM
100-028	Accu CP-20 mounted w/TANDEM dual channel peristaltic head, 2-1550 ml/min, thin-walled, Max 600 RPM
100-0182	Accu CP-10 mounted w/TANDEM dual channel peristaltic head, 9-650 ml/min, thick-walled, Max 160 RPM
100-0282	Accu CP-20 mounted w/TANDEM dual channel peristaltic head, 59-2200 ml/min, thick-walled, Max 600 RPM
PISTON , Max flow: 50 ml/min; with CKC or CTC, Max pressure: 100 psi; Use Teflon or Tygon tubing, Max 450 RPM	
100-041	Accu FM-40 mounted with RH0CKC piston head, 0-0.05 ml/stroke; 0.1-23 ml/min
100-042	Accu FM-40 mounted with RH1CKC piston head, 0-0.1 ml/stroke; 0.2-50 ml/min
100-043	Accu FM-40 mounted with RH0CKC-LF piston head, 0-0.05 ml/stroke; 0.1-23 ml/min
100-046	Accu FM-40 mounted with RH1CKC-LF piston head, 0-0.1 ml/stroke; 0.2-50 ml/min
100-047	Accu FM-40 mounted with RH00SKY piston head, 0-0.025 ml/stroke; 0.02-11 ml/min
100-048	Accu FM-40 mounted with RH00SKY-LF piston head, 0-0.025 ml/stroke; 0.02-11 ml/min
PISTON , Max flow: 340 ml/min; with CKC or CTC Max pressure: 100 psi; Use 1/4" OD Teflon or Tygon tubing, Max 3400 RPM	
100-051	Accu FM-50 mounted with RH0CKC piston head, 0-0.05 ml/stroke; 5-170 ml/min
100-052	Accu FM-50 mounted with RH1CKC piston head, 0-0.1 ml/stroke; 10-340 ml/min
100-057	Accu FM-50 mounted with RH00sky piston head, 0-0.05 ml/stroke; 2.5-85 ml/min
Accessories	
080-080	Footswitch for Accu pumps, Remote On/Off control; Has DB 15 connector to back of ACCU
080-083	RS-232 Cable for Accu pumps. ASCII commands to control flow, direction, etc. via your PC
080-081	Analog Cable Kit for Accu with remote proportional pump control via analog signals, e.g. 4-20 mA, 0-5 V
400-406	Teflon coiled tubing , 1/4" OD, 3/16" ID, PTFE, 25 ft/pack

Additional models available with lower & higher flows and different chemical compatibilities

Visit our web site at: www.scilog.com



For more information or technical assistance...

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