

# DIGIFEEDER 2002

## CONTINUOUS LIQUID METERING SYSTEM

### STANDARD CONTROLLER FEATURES

- digital volume adjustment
- digital rate adjustment
- automatic priming
- RS232 serial interface
- serial interface data indicators
- select/enable lockout switch
- active, idle, load, fault indicators
- enabled/disabled indicators
- PLC interface

### OPTIONS AVAILABLE

- independent channel ready out, PLC interface
- system trigger (CC), PLC interface
- CE approval

### TYPICAL APPLICATIONS

- metering of diagnostic reagents for reel to reel, membrane stripping machines
- low volume liquid metering and spraying
- process control additions
- patch and transdermal coatings
- electronic capacitor manufacturing
- linear flow applications for the semiconductor industry



digifeeder controller module  
36.2cm x 38.1cm x 15.24cm



40 pitch actuator modules  
22.9cm x 7.6cm x 6.4cm



ISO 9001 CERTIFIED  
ISO 13485 CERTIFIED



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IVEK's Digifeeder 2002 provides continuous quantitative, uninterrupted, pulse free liquid dispensing and metering. All operational parameters on the Digifeeder 2002 are programmed through an RS232 interface. Total electronic control allows for effortless, exacting calibration and full accountability of cumulative volumes dispensed. Software contained in the system's master circuit board coordinates the operation of two linear dispensing channels to produce a precisely alternating dispense operation which will result in continuous fluid flow. All volume and rate commands for the Digifeeder 2002 use steps or steps per second where one step is equal to the displacement resolution of the pump head size in use. Range of continuous output is 0.14 $\mu$ l/second to 500 $\mu$ l/second depending on pump size used.

### CERAMIC PUMP MODULE FEATURES

- high purity alumina, zirconia or silicon carbide
- pump sizes capable of resolution from 10 nanoliters to 1 $\mu$ l per step
- custom modifications available
- laser-etched serial numbers on each part
- parts matched to +/- 20 millionths per inch



piston/cylinder sets

IVEK's ceramic piston/cylinder modules are extremely hard and resist abrasion, resulting in a system that exhibits little to no wear even after hundreds of millions of cycles. In addition, the ceramics are compatible with most acids and bases. The natural crystalline structure of the ceramics displays zero porosity, which insures zero retention and carry-over of one biological fluid to the next.

### PRECISION ENGINEERED FLUIDIC SOLUTIONS SINCE 1979

IVEK Corporation is committed to quality and customer support. Our product has always been relied upon for critical applications and our policy states customer satisfaction as the number one priority. As our customer you will experience exceptional performance and reliability for your most demanding applications. IVEK Corporation is ISO 9001 and ISO 13485 certified.



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