

# The Next Generation in Infusion Pump Analysers is here



## Features - IPA-3400 Series

- Smaller in Size - Larger in Features
- Faster in Operation
- Easier To Use
- High Accuracy
- Large 7" Colour Touch Screen
- 1,2,3 and 4 Channel Models Available (Field Upgradeable)
- User Swappable Fully Self Contained Flow Modules
- Calibration in Flow Modules
- No Need To be Down For Calibration or Service
- Smooth Dual Syringe System
- Eliminates Drain Cycle Inconsistencies
- Whisper Quiet Operation
- Auto Start
- Auto Test Sequences
- Built in Data Collection
- PDF Reports Available
- Industrial Grade SS Pressure Sensor
- Performs All IEC 60601-2-24 Required Tests 0.1 mL to 1600 mL/Hr
- 4 USB Ports, 4 AUX Ports
- Flash Drives, Barcode Scanners, Keyboard and Mouse Directly Supported
- PC Compatible
- Configurable Pressure (mmHg, PSI, Bar, kPa)
- Large 32GB Internal Memory

## Functions

- PCA/Bolus
- Back Pressure Simulation
- Occlusion Alarm
- Trumpet Curve Analysis (BC Flow)
- Data Download to Flash Drive
- Customisable Test Templates (Built-In)
- Self-Cleaning Cycle

## IPA-3400

The IPA-3400 is the most compact, full featured four channel analyser on the market.

It is a high accuracy, easy to use system that incorporates full touch screen control of all processes without the use of old fashioned buttons and knobs.

This new cutting edge Patent Pending design uses a dual syringe stepper motor driven system that provides continuous monitoring of the fluid flow without the need to stop and perform intermittent drains like older technologies do.

This provides a more realistic flow path for the Infusion Device under test and therefore more accurate readings. Also, independent stepper motor control of the custom designed ceramic valving allows the system to run not only more quietly and

more smoothly, but it also allows for a bidirectional powered fluid flow for use in the built-in cleaning cycle.

The IPA-3400 has built in auto-sequence capabilities that allows the user to perform automatic test procedures. This allows specific test routines specified by various manufacturers to be run, which provides a significant time savings as well as reduces the risk of human error.

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Easy access to modules for expansion and calibration.



## SOFTWARE

BC Flow™ software is provided with the IPA-3400 to allow Display, Storage and Recall of system data.

A BCeTEST™ software module is available to allow full integration of the IPA-3400 into the BCeTEST™ system.



All test results are stored internally in the large 32 GB memory. They can also be downloaded to a USB flash drive or directly to a PC.

There are specific requirements in IEC 60601-2-24 for not only flow readings but back pressure simulation, bolus (PCA) measurements and occlusion alarm monitoring. All of these features are specifically built into the IPA-3400 with simple to use on screen selections.

The IPA-3400 is designed to hold up to 4 IPA-3900-FM flow modules. These modules are individually serialised and calibrated so that they may be moved from channel to channel and even unit to unit. Once installed they are recognised by the IPA-3400 and their Serial Number and NIST Traceable Calibration information are presented on the display and utilised in all data reporting.

The interchangeable modules provide the user with unprecedented flexibility in their IPA Testing System. There is no need to be down when the unit is due for calibration. Only the modules need to be calibrated. This also allows the rotating of modules or the use of a spare module, thus providing flexibility not available in other systems. The same is true for service. If there is a problem on one channel, only the module needs to be serviced, eliminating downtime.

The IPA-3400 display may be raised to gain full access to the four user swappable flow modules. No wiring or plumbing is required for module installation. Simply lift the display, removes the cover plate, loosen the retainer screw and slide the module out. All plumbing and electronics are self-contained and all electrical connections are made via a slide-in mating connector on the end of the module. Then just reverse the process for installation.

The IPA-3400 allows for easy field expansion. You can buy a 1 channel unit and later purchase additional modules that can be added in the field. Just plug them in and the system will automatically recognise the additional module(s), reconfigure itself and you are ready to go.

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