



**ORO CHEM TECHNOLOGIES**

By Scientists, For Scientists!

## **Pegasensor**

### **Pegasensor 96 & 384 dispensing and sensing system**



- 24 well to 96 well reformatting
- 96 and 384 well dispensing
- Automated Tip changing
- 96 well and 384 well liquid level sensing
- 12 decks for large sample processing



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## Pegasensor 96 & 384 dispensing and sensing system

PEGASENSOR represents a new generation of affordable liquid handling and sensing systems with the versatility and reliability required for today's demanding laboratory environment. With the Innovative Customize designed, the Pegasensor pipetting system surpasses its competition in terms of application diversity and reliability. This powerful dispensing and sensing system has compact size that easily fits on laboratory benches and also can be placed in suitable laboratory hoods.

PEGASENSOR Electronically Loads and unloads pipetting heads in a few seconds, allowing simple and easy setup for the task at hand. It will automatically index the pipetting head if necessary for accessing 384-well plates. PEGASENSOR can also measure liquid volumes in 96 well and 384 well formats, feature which is useful for quality control and assurance of liquid dispensing.

### Options

- Fixed tip heads with 8, 12 and 96 channels.
- Disposable tips heads with 8,12, 24 or 96 channels for Apricot 550 tips or Biomek® FX tips.
- Tip washing system with recirculating pump.
- Optional built-on deducted or recirculating hood enclosure.

### Features

Flexible designs for liquid transfers and pipetting operations for 24, 96 and 384 well micro plates and can also be used for serial dilutions by row or column. This feature allows reformatting of 24 well plates into 96 well plates, a much needed feature in clinical research.

Liquid level measurement in 96 and 384 wells. Select from 9 to 15 deck positions that can be used for plates, reservoirs, or tips for optimal walkway automation. Automatic disposable tip for loading and unloading for Biomek® FX compatible disposable tips. The disposable tips loading location is accessible by robotics for expanded capacity. Intuitive graphical user interface via serial interface control.

Small footprint conserves bench space and fits easily into suitably sized hoods.

### Automation

The open desk design makes it easy to use robotics to supply labware and disposable tips. It can be integrated as part of an automation work cell by combining it with other laboratory automation software.

### Applications

Plate replication  
Plate reformatting  
Reagent addition.  
Compound addition.  
Serial dilution by (row or column.)  
Liquid level measurements.



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## **Pegasensor 96 & 384 dispensing and sensing system**

<b>Dispensing Precision</b>	<2 %CV at 1 % ( L version ) < 2% CV at 5 ul ( H version )
<b>Dispensing Accuracy</b>	+/- at 1 % ( L version ) +/- 1 % at 10 ul ( H version )
<b>Resolution</b>	0.1 ul ( L version ) 1ul ( H version )
<b>Liquid level sensing</b>	+/- 0.5 mm
<b>Dimensions</b>	(3x3) 28 " L x 23 " W x 27 " H 711 L x 585 W x 686 H mm (3x4) 35 " L x 23 " W x 27 " H 889 L x 585 W x 686 H mm (3x5) 41 " L x 23 " W x 27 " H 1042 L x 585 W x 686 H mm
<b>Weight</b>	Approval 190 lbs (95 kg )
<b>Power</b>	100 to 240 VAC , 50/60 Hz
<b>Operating Temperature</b>	50- 100 F
<b>Warranty</b>	12- month extensive manufacturer warranty Extended 12- month warranty and annual service plans are also available. Contact factory or authorized dealers for details.



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## Accessories

### Pegasensor 96 & 384 dispensing and sensing system

50-A-01N	Pipetting Head 96 Channel - Disposable Tips - 550 $\mu$ L For use with 550 $\mu$ L
550-A-	Pipetting Head 96 Channel - Stainless Steel Tips w/PTFE
550-A-02TB-	Single Station System, Single Column Fix Tip Pipetting Head (8 Channels), 550 $\mu$ L Per Tip. With Teflon Coating, Inside/Outside.
550-A-02TB-	Multi Station System, Single Column Fix Tip Pipetting Head (8 Channels), 550 $\mu$ L Per Tip. With Teflon Coating, Inside/Outside.
550-A-	Single Row Fix Tip Pipetting Head (12 Channels), 550 $\mu$ L Per Tip. With
550-A-	Pipetting Head 96 Channel - Disposable Tips: 200 -
550-A-	Pipet Tip Loader (for 550-A-01) Used to manually load
550-A-09	Buffer Reservoir with 3 divisions - Delrin Buffer trough
550-A-11	Tip Washing System Software controlled tip wash system for on deck tip washing of either FT or DT heads on a 4 station also includes the following items: -96 individual channel wash station (550-A-13) -2 way pen-pump for circulating wash fluid
550-A-13	Circulating 96 individual Channel Wash Basin Wash
550-96R-NS	550 $\mu$ l, non-sterile disposable tips
550-96R-F	400 $\mu$ l, non-sterile, filter barrier disposable tips
550-96R-S	550 $\mu$ l, sterile disposable tips
550-96R-FS	400 $\mu$ l, sterile, filter barrier disposable tips