

## Next Generation Electronic Pipetting and Dispensing



- Nanoliter, non-contact dispensing
- Miniaturize your experiments
- Save on reagent costs
- Create higher density arrays
- Provide pulsation free fluid flow for microfluidics.

### 6.5 mm diameter actively controlled dispensing probes for:

Low nanoliter dispensing. ex 20 nL @ < 2% cv\*  
Maintains > 95% cell viability of delicate cells.  
Use with or without Pipette tips.

### Typical Applications include:

Microarrays  
Biofabrication / Bioprinting  
Cell-Drug interaction studies (e.g. Drug screens)  
Tissue Engineering - Regenerative Medicine  
Cell culture in Hydrogels

Able to dispense fluids with a wide viscosity range, ranging from typical cell media to highly viscous media / solutions such as 1-2% Alginate or 30% Polyethylene glycol.

The 3Dispense nLDM gives the user full control over critical dispense parameters such as droplet volume, and dispense velocity.

Development software provided offers flexibility and ability to customize and program functions

Remotely control or programmable front panel switches for ease of use provide functions:

- Prime: Prime system from bulk reservoir with reagent or backing fluids.  
Aspirate: Aspirate a given volume via the probe  
Dispense: Dispense single desired volume or multiple dispenses on command.  
Purge: Purge sample and all solutions

The nLDM can be used as standalone handheld or integrated into liquid handling platforms and instrumentation

\*\*tests performed with Artel Test solutions. Individual results may vary

Contact us for more information and a demo

**3Dispense.com**

Made in the USA