Programmable Process Control
For Two Component Cartridge Systems.

AirFree® technology that uses any 50ml or 75ml two component cartridge system provides programmable process control replacing hand-operated “by eye” dispensing. For use with 1:1 and 2:1 mix ratios fluid deposits are delivered with the highest precision and repeatability available for two component cartridge systems. The SmartDispenser® Two Component Fluid Dispenser provides the most profit in a 12 month period than any competitive fluid dispenser by increasing throughput, eliminating scrap, eliminating rework and increasing overall efficiency.
**SDAV-HT Small Dot Any Viscosity Two Component Cartridge Gun**

<table>
<thead>
<tr>
<th>BARREL SIZE</th>
<th>50ML</th>
<th>75ML</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIN. VOL. (ML)</td>
<td>.00174</td>
<td>.00174</td>
</tr>
<tr>
<td>MAX. VOL. (ML)</td>
<td>50</td>
<td>75</td>
</tr>
<tr>
<td>MIN. RATE (ML/SEC)</td>
<td>.043</td>
<td>.043</td>
</tr>
<tr>
<td>MAX. RATE (ML/SEC)</td>
<td>1.043</td>
<td>1.043</td>
</tr>
</tbody>
</table>

**DEVICE HISTORY RECORD – BAR CODE SCANNING**

The SmartDispenser® is the smartest dispensing platform available. The system automatically records the number of parts made per day, the dispense program used during production, and start and stop times. These key metrics are available for the previous day’s production in an Excel CSV format accessed via the home screen menu.

The SmartDispenser® is the most flexible dispensing platform available, offering a suite of add-on customizable Apps, allowing for the addition of a bar code scanner. The Apps interact with a pre-loaded database thus reducing human input down to a simple bar code scan. The operator scans and the SmartDispenser® does the rest.

- Adhesive verification.
- Operator training verification.
- Automatic dispense program loading.
- Finished part raw material verification, and many more.

**THE SMARTDISPENSER® GROWS AS YOUR BUSINESS GROWS**

The SmartDispenser® that you purchase today will last for decades of manufacturing. The flexibility of our design allows for upgrading the software as Fishman Corporation develops new base software and applications (Apps). The system is always up to date with Fishman’s latest technology.

It also allows you to customize the SmartDispenser® to your manufacturing facility with low cost off-the-shelf Apps or Apps specifically designed to your needs. Benchtop systems retro fit into benchtop automation systems and fully automated systems with some very minor changes.

**PROCESS CONTROL**

- Quantifies the dispense program.
- AirFree® improves fluid deposit repeatability 6-10 times.
- Every SmartDispenser® performs exactly the same, guaranteed.
What makes the SmartDispenser® so smart?
The combination of 3 powerful platforms.

AIR-FREE MANUFACTURING
- One program – worldwide
- Closed-loop feedback
- 6-10X more repeatable than pneumatics
- Volume base numeric dispensing
- Positive displacement via stepper motor
- Firmware proven for over a decade
- Eliminates expensive air compressor
- Designed to integrate into automation systems using PLCs

WINDOWS 7 NETWORKING
- SD Device to MES System Networking
- Remote programming and lock out
- Real time production data
- Live video feed
- Auto e-mail of unauthorized program changes
- On screen work instruction (audio option)
- Connectivity between SmartDispensers® Desktop, Laptop and Smartphone.
- Video/Audio training and tutorials

SMARTPHONE FUNCTIONALITY
- Touch screen
- Finger gesturing controls
- MES Networking Apps
- Custom Manufacturing Apps

SPECIFICATIONS

Usage: Indoor use
Altitude: Up to 2000m
Temperature: 0° to 40°C
Maximum Relative: 80% for temperatures up to 31°C decreasing linearly to
Humidity: 50% relative humidity at 40°C
Mains Supply
Voltage Fluctuations: Not to exceed ±10%
Installation
Overvoltage: Category II
Pollution: Degree 2, Class 1
Input Voltage: 100-240 VAC 47-63Hz
Max Inrush Current: 3.2A-1.8A
Output Voltage: 5.0VDC
Output Power: 4.6W
Fuse Rating: 1.0A/250 VAC
Initiate Circuit: Finger Switch
Drive Motor: SDAV-HT 1.8 Degree 200 Steps/Rev
Axial Movement: SDAV-HT .024 Axial Pitch .00012”/ Steps
Control Circuitry: CMOS microprocessor
Interface: Touch Screen or Keyboard/Mouse
Minimum Dispense Volume: 0.00174ml

CONTROL UNIT
Size: 5.6 x 9.9 x 6.3in (14.23 x 25.15 x 16cm)
Weight: 4.7lbs (2.13 kg)

GUN
Length: 9.5in (24.13cm)
Weight: 18.8oz (533gr)
Cable Length: 5.5 feet (167.64cm)