105-LV
Dual Servo Drive Meter System

Positive Rod Displacement, Variable Ratio Meter, Mix, and Dispense System

System Specifications

<table>
<thead>
<tr>
<th>Metering Principle</th>
<th>Positive Rod Displacement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive Type</td>
<td>Dual Servo</td>
</tr>
<tr>
<td>Material Delivery</td>
<td>Shot or Bead</td>
</tr>
<tr>
<td>Shot Size Range</td>
<td>Up to 18 cc at 1:1 Ratio</td>
</tr>
<tr>
<td>Ratio Range</td>
<td>1:1 up to 10:1</td>
</tr>
<tr>
<td>Viscosity Range</td>
<td>Liquid to Light Paste</td>
</tr>
<tr>
<td>Supply Type</td>
<td>Pump or Tank</td>
</tr>
</tbody>
</table>

Application Solutions

- Aircraft and Aerospace
- Appliance
- Battery
- Construction
- Electronics and Electrical
- Filters
- Lighting and LED
- Solar and Wind Power

Benefits

- Longer Lifespan
  - Heavy duty packings and seals minimize wear and increase lifespan for dispensing abrasive and heavily filled materials
  - Hardened meter rods never touch meter cylinder walls to reduce the need for preventative maintenance over time

- Quality Dispensing
  - Positive rod displacement metering combined with dual servo drive technology proportions materials to the manufacturer’s exact volumetric ratio
  - Controlled flow rate and mixed material dispense volumes meet customer specifications

- Exact Consistency
  - Power inlet valve eliminates material bypass to ensure ratio precision and consistency

- Dual Servo Drive
  - Variable ratio programmable via HMI
  - Allows for independent material system pre-pressure to application point
  - Programmable pause-reload technology eliminates system cavitation

Features

- Constant or variable flow rate
- Constant or variable bead diameter
- Shot size and flow rate adjustment using HMI
- Low cost repair and easy maintenance
- Does not use check valves
- Uses ball screw technology
- Less exposure to off ratio conditions
- Uses electronic pressure monitoring to ensure consistent process parameters part to part
- Real time material ratio bar graph display
- Real time system pressure bar graph display
- Up to 255 programmable dispense volumes
- 4 segment dispense volume control
- Ideal for bead or potting applications
**System Specifications**

<table>
<thead>
<tr>
<th>Ratio</th>
<th>Volume (max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:1</td>
<td>18 cc’s</td>
</tr>
<tr>
<td>2:1</td>
<td>12.5 cc’s</td>
</tr>
<tr>
<td>4:1</td>
<td>11.25 cc’s</td>
</tr>
<tr>
<td>6:1</td>
<td>10.5 cc’s</td>
</tr>
<tr>
<td>8:1</td>
<td>10 cc’s</td>
</tr>
<tr>
<td>10:1</td>
<td>9 cc’s</td>
</tr>
</tbody>
</table>

*Estimate only. Material ratios and viscosities will affect actual meter capability. Consult your Nordson representative with application specifics for accurate meter capabilities.

**Technical Data**

- **Height (A):** 32” (81.5 cm)
- **Depth (B):** 5” (13 cm)
- **Width (C):** 18” (46 cm)
- **Weight:** 40 lbs (19 kg)

*Dimensions and weight listed are for dual meters on mounting plate.

**Available Options**

- Floor mount stand
- Bench top mounting stand
- Remote plate mounting

*Consult your Nordson representative for additional options.

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NSEL-16-5943
Revised 2/16