

Flow Monitoring System

For Conformal Coating

Features and Benefits:

- **Flow monitoring occurs during production without affecting the cycle rate or increasing material usage**
- **Flow monitoring confirms that the correct amount of material is dispensed with a resolution of $\pm 0.05\text{cc}$**
- **The operator is alerted when an adjustment is required to prevent possible defective products**
- **Stainless steel construction ensures the Flow Monitoring system is compatible with all conformal coating materials**



Nordson ASYMTEK's Flow Monitoring system aids in closing the dispensing loop of the conformal coating process. The Flow Monitor monitors the volume of material dispensed against an established target volume. Easy Coat® for Windows XP® (ECXP) software logs the data and displays the recorded flow volumes on the computer screen in bar graph format.

High and low limits for dispensed volume are established during product programming. In operation, the PC system controller together with ECXP software, monitors the gear-type flow meter when the coating sequence begins. The ECXP software records and displays the data on the graph. If the dispensed volume is outside the present range, the system can be programmed to stop and sound an alarm, pause or continue dispensing.

The Flow Monitoring system consists of three major elements: the gear-type meter that fits in the fluid line, an interface board, and ECXP software. The system is easy to clean or repair on site. Nordson ASYMTEK's dispensing systems will meet your most demanding requirements.

The Flow Monitoring System is an option available for the Select Coat SL-940E and SL-941E conformal coating systems equipped with the SC-204/104, SC-280N/280C, SC-300 or SC-400 applicators.

Contact us to discuss your specific conformal coating applications.

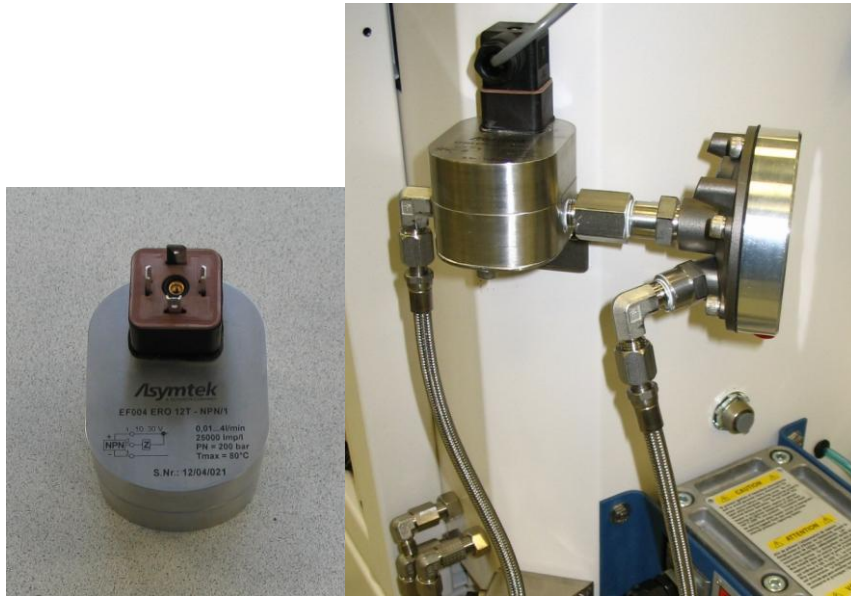
Specifications: Flow Monitoring

Flow Range: 0.050 – 4 liter/min (0.013 – 1.06 gpm)
Viscosity range: 2-2000 cSt (2-2000 cPs @ density = 1g/cm³)
Accuracy: ± 2% at 21 cSt (21 cPs @ density = 1 g/cm³)
Resolution: 0.050 ml/pulse
Temperature Range: 0-80°C (32 – 176°F)
Software: Integrated to ECXP coating software.

Material Compatibility Wetted Parts:

Housing and Gear: Stainless Steel

Seals: PTFE (Teflon®)



**For more information,
speak with your local
representative or
contact your regional
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