

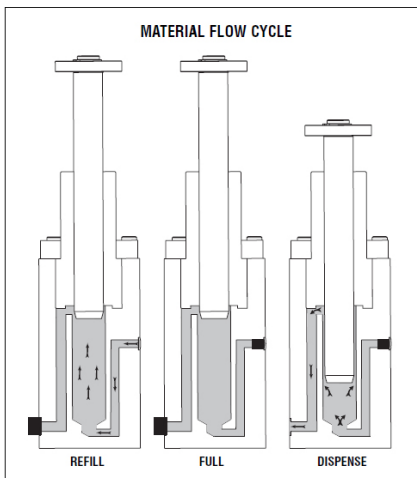
Pro-Meter[®] S Series Shot Meters



Precision dispensing system accommodates varying viscosities to deliver fast, repeatable volume of adhesives and sealants in single-component applications.

Features and Benefits

- **Linear servo actuator and positive displacement meter** provide accurate volume and flow rate control, regardless of changing material characteristics or robot speed.
- **Flow-through material porting design** reduces “packing out” of filled materials within cylinder, helping to reduce nozzle plugging and maintenance.
- **Compact integrated design** allows for point of dispense mounting of unit, resulting in superior response time to speed change commands.
- **Quick-change packing cartridges** facilitate easy access for on-line routine servicing and reduced maintenance costs.
- **Auto-Flo™ valve technology inlet/outlet valves** provide accurate deposition and control with sharp material cut-off for maximum performance and cartridge-style maintenance.
- **Extrude, stream or swirl capability** provides flexibility to meet application requirements.
- **Multiple meter sizes available** to meet specific application volume and cycle time requirements.
- **Optional integrated temperature conditioning – either 120V or 240V electrically heated units or water traced units are available** – provides internal control of material temperature to the point of dispense.



The Pro-Meter S is filled by positive material pressure supplied by a Rhino bulk unloader. The design also allows the first material in to be the first out, eliminating packing out of material.

Customer-sponsored testing demonstrated market-leading accuracy



Meter operation

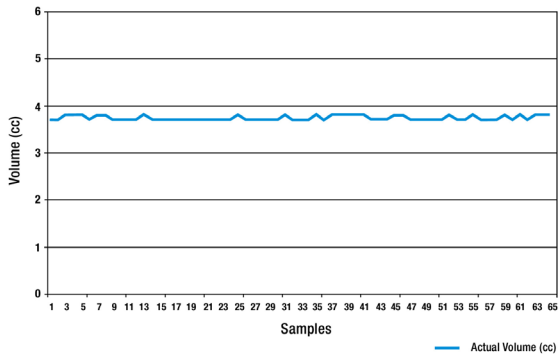
The Nordson Pro-Meter S combines shot meter technology with proportional control to provide precise, repeatable deposition and efficient material usage. A uniform amount of material is applied as the robot accelerates and decelerates along its programmed path via an analog input signal. This precise flow control provides better adhesive bead profiles and faster cycle times.

The material cylinder of the Pro-Meter S system is filled by positive pressure from a Nordson Rhino® bulk unloader to ensure positive material refill and eliminate “empty dispenses”. The first-in, first-out material flow eliminates dead spaces for material to pack out. In turn, the on/off gun dispenses the material with consistent bead profiles regardless of changing robot speeds for excellent product quality.



Pro-Meter[®] S Series Shot Meters

Qualification/Validation Testing — Dispense Volume Data

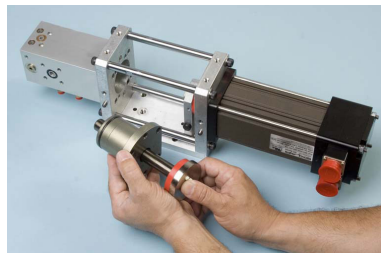


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Ease of Maintenance

The Pro-Meter S metering system is designed for fast, easy maintenance. It features a high-performance shaft coating to help withstand the abrasive materials present in today's demanding production environments. In addition, it incorporates:

- Modular design
- Quick-connect cables
- Quick-change packing cartridges
- On-line routine servicing without removal from the production cell
- Reduced maintenance costs



System Controller

The Pro-Meter S metering system can be operated from a Nordson PCI Controller or Process Sentry™ III controller. Either controller can provide extensive diagnostics for system set-up and adjustments, system status, easy robot programming and help screens with diagnostic information to assist in system operation. The controller monitors the metering system to assure the material cylinder has refilled, the correct amount of material has been dispensed, and all pressures are within preset high and low limits.

Specifications

Pro-Meter S15		
Dimensions:	Length	7.3 in
	Height	5.24 in
	Width	21.67 in
Weight	24 lb	
Max. Flow Rate	5 cc/sec	
Max. Operating Pressure	3000 psi	

Pro-Meter S35		
Dimensions:	Length	7.3 in
	Height	5.24 in
	Width	29.31 in
Weight	30 lb	
Max. Flow Rate	10 cc/sec	
Max. Operating Pressure	3000 psi	

Pro-Meter S100		
Dimensions:	Length	7 in
	Height	5.64 in
	Width	31.52 in
Weight	49 lb	
Max. Flow Rate	20 cc/sec	
Max. Operating Pressure	3000 psi	

Pro-Meter S165		
Dimensions:	Length	7.31 in
	Height	9.24 in
	Width	35.82 in
Weight	97 lb	
Max. Flow Rate	40 cc/sec	
Max. Operating Pressure	3000 psi	

Pro-Meter S300		
Dimensions:	Length	7.3 in
	Height	9.26 in
	Width	46.60 in
Weight	110 lb	
Max. Flow Rate	75 cc/sec	
Max. Operating Pressure	3000 psi	

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