

# Micro-Meter<sup>®</sup> 1K

Servo-driven one-component dispensing meter

## High-accuracy one-component metering system

The Micro-Meter 1K is a durable one-component meter for dispensing small volumes of material with precision ratio and volumetric output control. The Micro-Meter 1K is a small, light and easy-to-mount one-component meter that does not sacrifice any accuracy in dispensing the smallest amounts of material.

### Powered by Positive Rod Precision

- **Massive on precision** – Positive rod displacement metering technology proportions materials to the exact volumetric ratio specified by manufacturers, time and time again.
- **Application flexibility** – Configurations provide flexibility to accommodate changes in application or material requirements. Servo-drive option combines adjustable and variable flow rate with positive rod-driven repeatability in shot or bead output.
- **Versatile** – The Micro-Meter can move from benchtop, floor-mounted and robot-mounted configurations without any changes in hardware.

### Robotic Advantage

- **Simplified mounting plate** requires only six bolts
- **Basic service procedures** do not require removal from the robot
- **Dowelled assemblies** assure reassembly does not create robotic offset needs
- **Optimized hose routings** with inlet valve orientation options
- **Grease zone** allows robotic movement and inversion without dripping lubrication

### Application Capabilities

- **Encapsulating**
- **Micro-Dispense**
- **Gasketing**
- **Bonding**



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## System Specifications

<b>Metering principle</b>	Positive rod displacement
<b>Ratio design</b>	Variable
<b>Viscosity range</b>	Liquids and pastes (1 to 350,000 cps)
<b>Volumetric output</b>	0.05 - 12.00 cc
<b>Working pressure</b>	Up to 1,500 psi (103 bar)
<b>Flow rate</b>	10 cc / sec
<b>Flow rate type</b>	Adjustable and variable
<b>Volume repeatability</b>	1.0%
<b>Drive</b>	Servo
<b>Dispense type</b>	Shot capable Bead capable
<b>Robotic speed adjustment</b>	✓

## Physical Size

<b>Height</b>	31" (78.74 cm)
<b>Depth</b>	3.4" (8.64 cm)
<b>Width</b>	4.3" (10.92 cm)
<b>Dry weight*</b>	20.5 lb (9.3 kg)

\*Dry weight includes stainless steel valves.

Micro-Meter 1K pictured on XYZ table. XYZ table not included in dimensions.



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## Why choose Nordson

In highly competitive manufacturing markets, productivity is vital and performance is essential. That's why we apply both to everything we do, whether it's our products, expertise or outstanding customer service. We'll always be there to help maintain the new standards you've set, with expert service and support delivered through our teams working across the globe.

This unique Nordson approach helps you reach new levels of production, while working more accurately, efficiently and competitively than ever. Precisely why manufacturers who demand quality, can rely on Nordson.

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