

EcoMeter XS

Microdosing unit for adhesives and sealing materials

The **EcoMeter XS** is a microdosing unit for the application of small quantities of 1K and 2K adhesives and sealants. The dosing unit can be used in the field of battery assembly, electric motor production, production and assembly of power electronics and small-volume potting applications. The use of a progressive cavity pump achieves a continuous flow of material and thus a continuous application. In addition, this operating principle can avoid refilling times and reduce cycle times. The **EcoMeter XS** is designed as a modular system. Thus, a wide range of flow rates can be achieved for 1K and 2K applications.

CUSTOMER BENEFITS



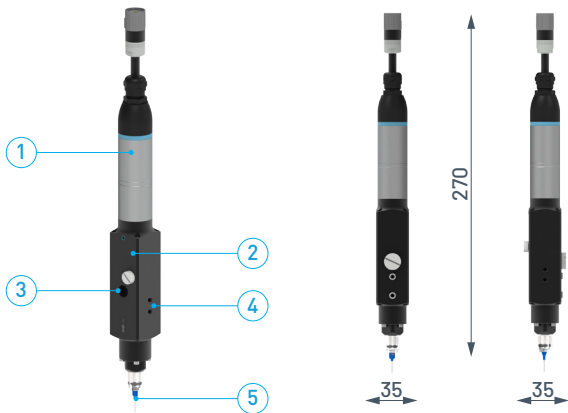
- [Suited for very small application volumes](#)
- [No limitation of cycle times due to filling cycles](#)
- [Durable and light design made of Stainless steel and PEEK](#)
- [High process control enabled by use of the **EcoMeter XS** dosing control](#)
- [Wide range of possible materials](#)
- [Easy access and maintenance](#)



Technical datasheet

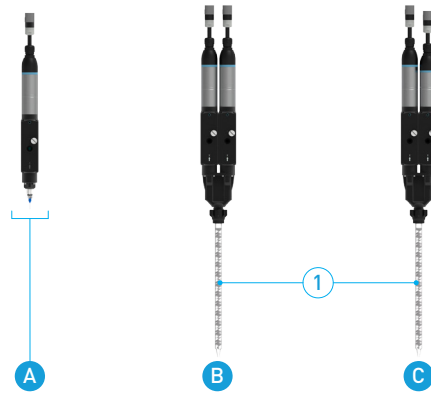
EcoMeter XS

TECHNICAL ILLUSTRATION



1 Servo motor, 2 Spindle housing with spindle rotor and stator, 3 Material inlet, 4 Mounting holes, 5 Application nozzle (different sizes available on request)

CONFIGURATIONS



A EcoMeter XS 1K, B EcoMeter XS 2K,
C EcoMeter XS 2K - combination of different dosing units for high mixing ratios
1 Static mixer - available in different variants

SPECIFICATION

Dosing unit EcoMeter XS

Weight	0.8 - 1.6 kg (depending on configuration)
Dimensions	35 x 35 x 270 mm (1K) / 35 x 80 x 270 mm (2K)
Mechanical connection	Direct (hole pattern: 2 x M4, 20mm distance), Quick exchange plate (optional)
Volume flow	0.00025 – 1.0 cm ³ /s (depending on configuration)
Material pressure, input	0 – 6 bar
Material application outlet	Dosing needle with Luer Lock connection
Accuracy	< ±1 %
Material viscosity	Up to 1,000,000 mPas
Connection material input	G1/4"
Connection material outlet	1K process: Luerlock G 1/8" 2K process: Static mixer, union nut 7/8-9 UNC

EcoMeter XS dosing control

Dimensions	600 x 300 x 1,800 mm
Electrical connection	230V AC 50 / 60 Hz
Interface	Profinet – for integration into cell PLC, robot control or gantry systems
Display	10" Touch display

Note: The specification data mentioned depend on the given material and process and may differ in the respective use and application.