

# LaboDose

## Smart Single Component Volumetric Feeders



## Volumetric

Power In Dosing

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## Smart Single Component Volumetric Feeders

Labodose Volumetric is a smart volumetric feeder with gravimetric capabilities - providing manufacturers with a highly accurate and cost-effective alternative to gravimetric feeders.

Labodose Volumetric correlates rotation speed and time with additive feed rate, improving the production process.

### Advantages:

- Increased production efficiency, with greater cost-savings
- Automatic calculation of additive feed weight
- Optional Venturi loader with level sensor
- Automatic adaption to changed parameters and feedrate
- Supports extrusion applications – throughput can be set as Kg/h, or as a percentage of total extruder throughput

LaboDose Volumetric Technical Specifications		
Applications	Injection Molding	Extrusion
Power	100-240v, 200W, 50/60hz	
Hopper Capacity	6/20 liter	
Output range	0.02-200 kg/h	
Motor	Powerful step motor	
Input signal	Dry contact input for synchronization with plasticization cycle (and optional with injection cycle)	Dry contact input for synchronization with extruder on/off operation and analog input 0-10v or digital input relative to extruder's speed (rpm).
Display	LCD Display with Numeric Key Pad	
Weight	14 kg (feeder) / 5 kg (controller)	
Alarm Output	N/O dry contact, 24V/30mA max. Activated at: failure in filling, material no-fill, or overdose	
Mounting and feeding	By neckpiece adapter, directly into the machine throat	

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