

ATS Retrofit Kit

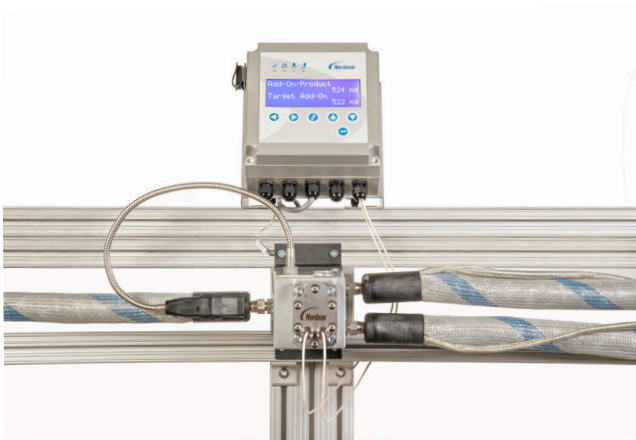
External flow measuring and process control device

Easily upgrade melters to an adhesive tracking system (ATS) to optimize consumption and production efficiency



An easy-to-use ATS retrofit kit contains all the pieces required to add adhesive tracking capabilities to any Nordson packaging melter. An external gear flow meter-manifold can be connected to the melter manifold, and a control box can be easily mounted on the melter or nearby on the parent machine.

The flow meter directly measures adhesive volume and alerts the system when the amount of dispensed adhesive is out of a pre-determined band. The output signal from the control box can be used to stop the line, eject product or signal a light tower. By tracking the precise amount of adhesive dispensed onto a package, users can minimize adhesive waste and prevent pop-opens.



Features

- Add adhesive tracking capabilities to existing ProBlue and non-ProBlue melters.
- Track total adhesive consumption, per package add-on weight and total number of products
- User adjustable adhesive volume upper and lower tolerance band limits to identify out of tolerance product
- Download historical data via USB for process analysis
- Monitor and control ProBlue melters in real time via optional Ethernet IP & Fieldbus
- Flexible mounting allows the flow meter-manifold to attach directly to the melter or attach remotely, either horizontally or vertically, close to the point of application.

Benefits

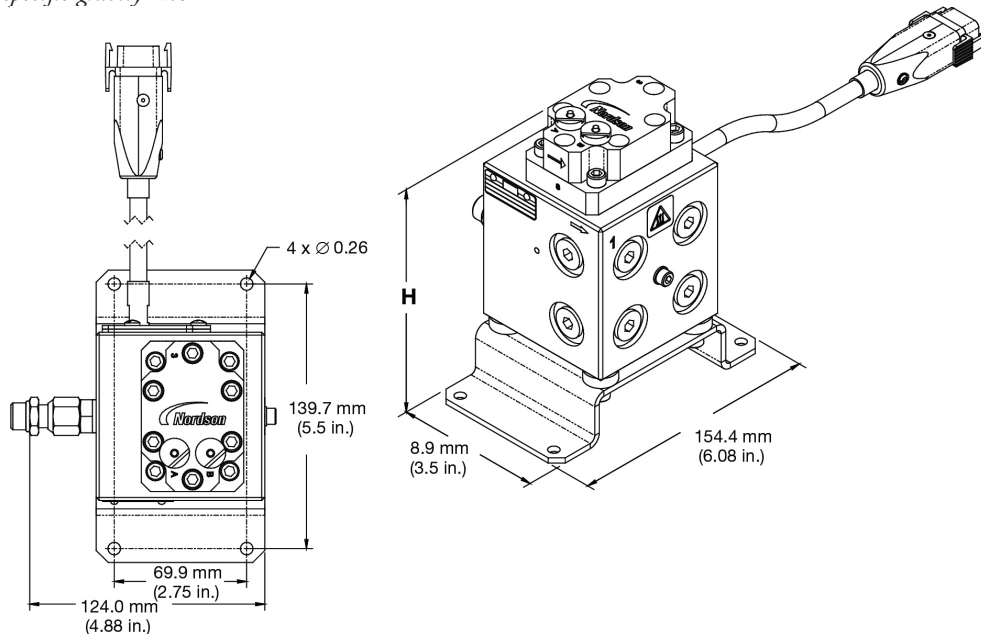
- Monitor the correct amount of adhesive per product to minimize machine jams, rework of unfinished product and return shipments from the end customer.
- Analyze historical data to improve operation
- Minimize number of long hoses by mounting close to the point of application

ATS Retrofit Kits External Flow Measuring and Process Control Device

Specifications

Instantaneous Flow Rate Range	0.03–91 kg/hr (0.07–200 lb/hr)
Displacement	1.0 cc/rev = 1 g/rev = 0.001 kg/rev = 0.0022 lb/rev
Resolution	0.025 cc (25 mg) or (0.055 lb)
Viscosity Range	600–10,000 cps
Temperature Rating	204°C (400 °F) maximum
Maximum Pressure Rating	100 bar/10 MPa (1450 psi)
Output Signals	2 (Enabled Output and Alarm Output), 24VDC sourcing (PNP), 25 mA each
Manifold Construction	Aluminum, type 6061-T6
Flow Meter Construction: Gears	86L20 steel, case-hardened
Flow Meter Construction: Gear Shafts	Carbon steel, hardened and grounded (DIN 6325, M6)
Flow Meter Construction: Body	316 stainless steel
Flow Meter Sensors: Inductance	1 mH (+/-10%)
Flow Meter Sensors: Resistance	15 ohm (+/-10%)
Flow Meter Sensors: Frequency	60 kHz (+/-10%)
Controller Required Power	24 VDC (+/-10%) at 200 mA
Manifold Electrical Requirements	Hose/applicator channel: 1, heater power: 350 watts

SG= specific gravity=1.0



Mounting	Melter	H	
		mm	in
Remote	ProBlue and Non-ProBlue Melters	175.5	6.9
Direct	ProBlue 10 and ProBlue Liberty 14 Melters	175.5	6.9
Direct	ProBlue 4/7 and ProBlue Liberty 7 Melters	234.4	9.2
Direct	ProBlue 15, 30 and 50 Melters	207.3	8.2

For more information, speak with your Nordson representative or contact your Nordson regional office.

United States

Duluth, Georgia
(800)234-0506 **Phone**
(866) 667-3329 **Fax**

Canada

Markham, Ontario
(800) 463-3200 **Phone**
(905) 475-8821 **Fax**

Europe

Erkrath, Germany
(49) 211-9205-0 **Phone**
(49) 211-254658 **Fax**

Japan

Tokyo, Japan
(81) 3-5762-2710 **Phone**
(81) 3-5762-2717 **Fax**

Asia/Australia/ Latin America

Amherst, Ohio
(440) 985-4797 **Phone**
(440) 985-1096 **Fax**

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