

ProcessMate TC100 Temperature Controller System

Designed to maintain consistent fluid temperature control



The ProcessMate TC100 is a complete system that maintains a consistent fluid temperature for precise, repeatable dispensing control.

| Part # | Description | Qty |
|---------|-------------------------------------|-----|
| 7364017 | ProcessMate TC100 Controller System | 1 |
| 7015479 | 30cc Neoprene Piston | 20 |

System includes one box of Unity barrels and neoprene pistons.

Refer to the Unity HiTemp data sheet for syringe part numbers:
www.nordsonefd.com/UnityHiTempBarrels

Order your EFD dispenser separately:
www.nordsonefd.com/dispensers



more info

The ProcessMate™ TC100 system maintains consistent fluid temperatures for precise, repeatable dispensing control. The complete TC100 system includes a temperature controller and syringe barrel heater that are designed for use with 30cc Unity™ HiTemp™ syringe barrels.

A constant fluid temperature is essential for maintaining consistent fluid viscosity, which delivers more repeatable dispensing results. The TC100 system reduces the fluid viscosity to maintain optimal dispensing performance. The system integrates seamlessly with Nordson EFD fluid dispensers, which actuate the dispense cycle.

Features

- Complete system that includes an aluminum barrel retainer, heater sleeve, and controller
- Controls temperatures up to 100° C (212° F)
- Barrel heater can be installed onto automated dispensing systems or stand mounted for benchtop applications

Benefits

- Barrel heater keeps fluids above ambient temperatures to maintain uniform viscosity
- Provides a reliable method for reducing viscosity of non-newtonian, non-heat curing, or snap curing fluids to reduce cycle time
- Easy integration with automation makes it ideal for high volume production
- Maintains dispensing temperatures within $\pm 1.0^\circ$ C for better process control



Specifications

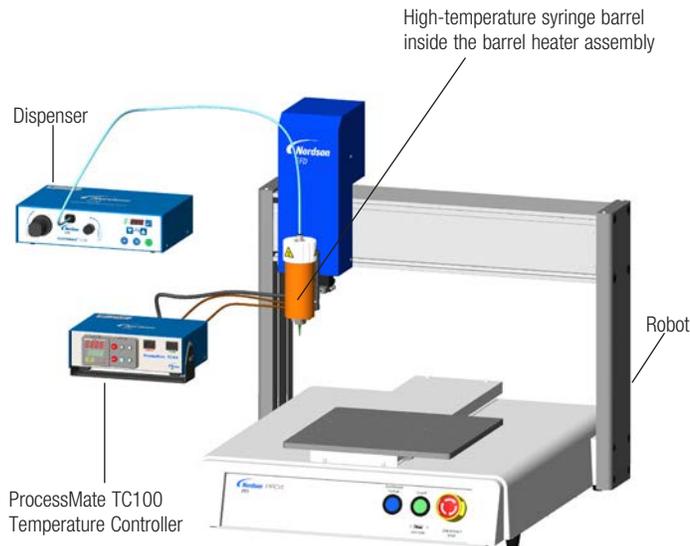
ProcessMate TC100 Temperature Controller

| Item | Specification |
|-------------------------------|---|
| Cabinet size | 21.5W x 8.4H x 15.7D cm (8.46W x 3.30H x 6.18D") |
| Weight | 1.3 kg (2.9 lb) |
| Input AC (to power supply) | 100–240 VAC, $\pm 10\%$, 50/60Hz, 20 Amp maximum |
| Output DC (from power supply) | 24 VDC, 2 Amp maximum |
| Temperature control | Ambient 20–100° C (68–212° F) |
| Temperature accuracy | $\pm 1.0^\circ$ C ($\pm 1.8^\circ$ F) |
| Approvals | CE, UKCA, TUV, RoHS, China RoHS, WEEE |

Barrel Heater Assembly

| Item | Specification |
|--------|--|
| Size | 5.7W x 15.7H x 7.2D cm (2.24W x 6.18H x 2.83D") (with mounting bracket, without dispensing tip) |
| Weight | Syringe barrel retainer: 0.4 kg (0.8 lb) Heater sleeve: 0.3 kg (0.6 lb) |

Typical Automated Dispensing System Installation



Request a Process Evaluation

Contact Nordson EFD to configure a precision dispense system that meets your specific needs, with:

- A complimentary process evaluation by experienced fluid dispensing experts.
- Samples processed for customer evaluation and approval prior to purchase.



For Nordson EFD sales and service in over 40 countries, contact Nordson EFD or go to www.nordsonefd.com.

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