

PICO *Touch* Controller

Intuitive touchscreen interface for precise PICO *Pulse* valve control



Use the PICO *Touch* controller to set precise operating parameters for optimal dispensing performance.



The PICO® *Touch*™ controller features an intuitive touchscreen interface for easy setup and operation of Nordson EFD's PICO *Pulse*™ jet dispensing valve.

The touchscreen interface allows users to set extremely precise operating parameters of the PICO *Pulse* valve for greater process control. Fine-tune dispensing performance by setting ramp open and close parameters and stroke control on the unique Wave Profile screen.

Adjust pulse time in increments as small as 0.01 ms, set valve operating temperature, and easily navigate to all required setup parameters. Cycle the PICO *Pulse* valve at up to 1000Hz continuous, with up to 1500Hz burst capability.*

The *Touch* controller provides the flexibility to dispense a wide range of fluids and viscosities with a finer level of precise adjustments, not just presets. Better slope control delivers more repeatable deposits and prevents turbulence and air bubbles from entering the fluid, preventing deposit variations.

*With approved conditional settings.

Features

- Easy-to-use touchscreen interface for precise control of PICO *Pulse* valve.
- Programmable valve actuation signal, known as ramp or wave profile, for fine-tuning dispensing performance.
- 480 x 272 resolution for sharper screen visibility.
- More than 12 language display options.
- Small overall footprint.
- Benchtop or panel mount capability.

Benefits

- Intuitive touchscreen interface for easy setup and operation.
- More control of valve operating parameters and dispensing performance.
- Flexibility to control the dispense of a wide range of fluids and viscosities.
- Programmable lockout to prevent unintended changes to settings.
- Finer adjustment of pulse time, stroke control, and open and close parameters.



more info



PICO *Touch* Controller Specifications

Item	Product
Cabinet size	14.2W x 13.3H x 16.8D cm (28 Hp x 3U) (5.6W x 5.25H x 6.6D")
Weight	2.6 kg (5.5 lb)
Input AC (to power supply)	100–240 VAC +/-10%, 50–60 Hz, 2A
Output DC (from power supply)	24 V, 6.25 A
Internal voltage	150 VDC, 24 VDC, 5 VDC, and 3.3 VDC
Heater output voltage	24 VDC, 30 W maximum
Feedback circuit	0–24 VDC
Initiate circuit	5–24 VDC
Heater outputs	Setpoint range: 0–100° C (32–212° F); 0.1° C increments Temperature input type at valve: RTD Indication accuracy: ±1° C Sample rate: 60 per second Control method: PID
Cycle rate	Valve-dependent
Time range	100 µs to 9.9999 s (depending on the open profile time)
Ambient operating conditions	Temperature: 5–45° C (41–133° F) Humidity: 85% relative humidity at 30° C (86° F), non-condensing Height above sea level: 2000 m (6,562 ft) maximum Indoor use only
Product classification	Installation category II Pollution degree 2
Approvals	CE, RoHS, WEEE, and China ROHS compliant

Part Number	Description
7361217	PICO <i>Touch</i> controller

The complete system requires a PICO *Pulse* valve, PICO *Touch* controller, and fluid reservoir.

PICO *Pulse* Valve

Remove the barrier between speed and accuracy with the PICO *Pulse* valve. At max continuous speed of up to 1000Hz*, this innovative jet dispensing valve provides industry-leading accuracy in deposit consistency and placement, even for the most challenging applications.

*With approved conditional settings.



Automated Dispensing Systems

Nordson EFD offers a wide range of automated systems including our PRO, EV, E, and R Series, which are fully compatible with PICO jet valve systems. Our automated systems offer consistent, accurate, and repeatable performance, making even the most complex dispensing applications easy.

Get simplified setup and programming plus optimized dispensing results from features such as laser height sensing and fully integrated CCD cameras, or specify inline systems designed for larger products.

Request a Process Evaluation

Contact Nordson EFD to configure a complete PICO piezoelectric jet dispensing system that meets your specific application needs, with:

- A detailed process evaluation by experienced fluid dispensing experts at one of our full-service Global Application Labs
- Samples processed for customer evaluation and approval prior to purchase

