

DieMark[®]

by Xandex Inc.

NEW Electric Inker Controller

The NEW 350-0028 Electric Inker Controller is designed to power a Xandex Electric Inker. It is intended for uses where a wafer prober or other actuation signal is not present or is not configured to drive the actuator. Designed to work with 12V and 24V DieMark actuator coils, the controller automatically detects the actuator coil's voltage after the first signal actuation and automatically sets output voltage to either 24 or 48 VDC (2x rated coil voltage).

The Controller can be signaled to actuate a coil via three input ports: by an "ink" signal from a wafer prober or other inking equipment or via an optional foot switch available from Xandex. Either signal source can be connected to the SIGNAL port.

The controller can be signaled via a hand switch (not available from Xandex) connected to the SWITCH port. The controller can also be signaled to actuate a coil and serially programmed via the USB C port connected to a PC.



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CONTROLLER FEATURES

INPUTS:

- ▶ Wafer Prober "Ink" Signal: 12 - 60 volts @ minimum 30 ms pulse width
- ▶ Footswitch (optional, available from Xandex)
- ▶ Secondary Hand Switch Input: (not sold by Xandex: purchase switch with 1/8 inch / 3.5mm TS Mono connector)
- ▶ Serial Commands / Programming via USB C input (USB C cable not supplied)

OUTPUT:

- ▶ Default: 24 or 48 VDC @ preset 17ms ON time / 150ms OFF time cycle (6 dots per second)
- ▶ Controllable / Programmable via serial USB C Input: ON time range 5-50ms / OFF time range 100-995ms

24VDC POWER SUPPLY (included):

- ▶ Input: Universal 100/120/220/240 Volts AC @ 50/60 Hz 60W
- ▶ Output: 24VDC

ORDERING INFORMATION:

- ▶ Controller: Order Set Part Number 333-1000
- ▶ Optional Foot Switch: Order Part Number 350-0010
- ▶ Optional Prober/ Inking Equipment Cables and Custom Signal cables available: Contact Xandex Customer Service: EMAIL: insidesales@xandex.com / TEL: +1 (707) 763-7799 or Toll Free in the US +1 (800) 767-9543

For more information on cable connectors and programming commands, see [User Guide 820-0338](#) at www.xandexsemi.com.