

4000 Series Embedded Controller

10.4" touchscreen
USB back-up and saving
Live preview of marking layout
Up to 2 I/O cards

The 4000 Series Controller drives most Pryor Dot Pen and Scribe marking machines. Industrial-grade 10.4" resistive touch screen – usable with gloves. Familiar menu structure from Pryor 3000 Series controllers.

USB port for back-up / restore of layouts, settings, logos.

Up to 4-axis marking machine control. Up to 2 I/O cards with 16 inputs and 12 outputs.

Optional 36V 3.0Ah battery version for portable use.



STANDARD FEATURES

- Resistive, 10.4" touchscreen – usable with gloves
- Two-axis control (X-Y marking directions), with robust high-power motor drivers
- USB type A, USB type B and RS232 ports, for connecting to optional USB drive, barcode scanner, USB keyboard and PC; firmware updates via USB drive
- Integrated help animations to demonstrate common functions
- 100V or 240V main power supply
- Password security for all menu items
- Data logging to .csv file on USB stick or internal memory
- Duplicate check of last 100 marks within 1 of 5 different logs of marks
- Live view of layout during jogging / drag and drop repositioning of layout
- Built-in emergency stop

APPLICATIONS

- Control of most Dot Pen and Scribe marking machines – bench-mount, portable and integration models.
- Connection of marking machines to PC for use of Windows-based software control
- Bench-top marking machines
- Portable marking machines

OPTIONS

4-axis control (Z-C)

24V I/O board

2x 24V I/O boards

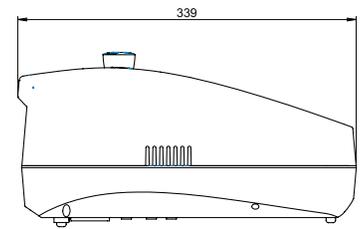
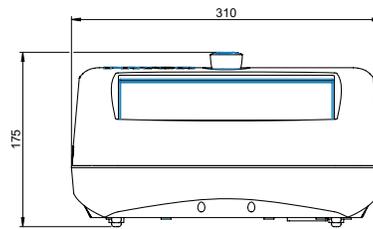
TCP/IP Ethernet module

Anybus module

Battery powered version

External e-stop

TECHNICAL DATA		<ul style="list-style-type: none"> ● Standard ○ Optional
Dimensions (W x H x D)	12.2" x 6.9" x 13.3" (310 x 175 x 339mm)	●
Weight	11 lbs. (5 kg) – both standard and battery versions	●
Connections	X-Y axis control, USB-A, USB-B, RS232, Start/Stop box, External e-stop Z-C axis control TCP/IP Ethernet Anybus	<ul style="list-style-type: none"> ● ○ ○ ○
Operating temperature	32°F - 176°F (0°C - 80°C)	●
Supply requirements	240V 50Hz / 100v 60Hz 36V 3.0Ah li-ion battery, or external power supply	<ul style="list-style-type: none"> ● ○
Screen	10.4" resistive touchscreen – can be used with gloves / stylus pen	●
Marking type	5 x 7, 7 x 9, Varidot, Angled, Arc, logos, Data Matrix, Serial numbers, Reverse marking, Variables, etc.	●
Languages	English, German, French, Italian, Spanish, Portuguese, Swedish, Finnish, Russian, Polish, Czech, Dutch, Chinese	●



ACCESSORIES

- USB keyboard
- Start-Stop box
- Spare battery
- Barcode Reader
- Data Matrix Reader

STANDARD CONTROLLER CONFIGURATION / OPTIONAL EXTRA

Machine	Z-axis / circ.	Digital I/O 8in 6out	2 Digital I/O 16in 12out	3 Digital I/O 24in 18out	4 Digital I/O 32in 24out	Ethernet TCP/IP	Fieldbus	Built-in e-stop	External e-stop	Mains power	Battery pack	External mains power
PortaDot	0	0	0	×	×	0	0	✓	0	×	0	0
BenchDot	✓	0	0	×	×	0	0	✓	0	✓	×	×
InDot	✓	0	0	×	×	0	0	✓	0	✓	×	×
Panel Mount	✓	✓	✓	0	0	0	0	×	✓	✓	×	×