



Xymark 7 and Xymark 7S

DOT MATRIX LASER CODERS

Xymark® dot matrix laser coders from Linx use sophisticated laser technology to mark variable information on a wide range of materials typically encountered in manufacturing and packaging operations. Combining ease of operation and versatility, Xymark laser coders are designed to fit seamlessly into the production line and to deliver high-performance printing 24 hours a day, seven days a week with utmost reliability and minimal maintenance.

The Xymark 7 and Xymark 7S models are designed for coding applications requiring two-line print performance and greater flexibility. Both models provide a choice of four standard character formats (5 x 5, 5 x 7, 7 x 8 and 16 x 10) and can print messages ranging in height from 2.5 to 6mm. Up to 10 messages can be stored for retrieval during product change-overs.

The Xymark 7 can generate up to 1000 characters per second, equating to a speed of up to 125 m/minute depending on substrate. The Xymark 7S has a built-in tracking system which enables speeds up to 200 m/minute (depending on substrate/application) and coding of stationary products to be achieved.



Xymark 7 and Xymark 7S

Dimensions



Xymark 7



Xymark 7S

Performance characteristics

	Xymark 7	Xymark 7S
lines of text		1 or 2
maximum number of characters per second	1000	3000
maximum line speed (25 µs dwell time, 7 x 5 font, 3mm scan height, single line)	125 m/min	200 m/min
message height range	variable between 2.5 and 6mm	
dot size	0.1 mm @ 2.5 mm scan height 0.25 mm @ 6 mm scan height	
character formats	5 x 5, 7 x 5, 7 x 8, 16 x 10	
coding capability	moving products only	moving or stationary products

General features

sealed QWERTY membrane keypad for data entry	•
24 line x 53 character backlit LCD display	•
remote control panel, up to 5 m conduit	Optional
operating languages	English (optional French, German, Italian, Spanish, Dutch, Portuguese, Swedish)
extended fonts (EU or Asian)	•
user-defined fonts	-
comprehensive systems diagnostics including log function	•
memory storage	10 locations

Programming and printing facilities

increment/decrement	•
batch	•
real time	•
calendar	•
date & time offsets	•
multispace	•
password protection	•
last code used	•
shot count	•
graphics	•
vertical coding adapter	Optional

Interfacing

RS232/RS485	•
shaft encoder input	Optional
remote stop/start signal	•

Physical characteristics

stainless steel mobile cabinet with castors	•
weight	132 kg (291 lbs)
environmental protection rating	IP65
articulated arm finish	Anodised Aluminium and Nyflor 3000
scan orientation adjustment	- 360° adjustment with beam axis rotator

scan height & focus adjustment (magnetic-optical coupler)	•
reach of arm	1.0 m (3' 4") in horizontal plane
arm support (pedestal or guard mounted)	Optional
cooling	integral closed loop (air to water)
power supply type	2 board FET (solid state RF)
electrical requirements	110-120 and 200-240 V single phase, +/- 10%; 50/60 Hz
average power consumption	1.7 kVA
dual detector lockout	•

Laser details

high-speed sealed RF excited CO ₂	•
peak power	170 W
high power laser tube (230W peak power)	Optional
galvo speed enhancement	-
gas consumption	-
tube warranty	2 years parts

Environmental details

ambient operating temperature	5 to 35°C
storage temperature	-10 to +70°C
humidity range (relative humidity, non-condensing)	10-90%

Regulatory approvals

CE Mark	•
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