Linx 8940 Spectrum
TECHNICAL DATA

PRINT SPEEDS AND SIZES

Print head	Mk11 Midi plus
Nozzle size	75 µm
Lines of print	Up to 6
Character height range	.08" to 0.67"
Maximum speed for single line print (5 dot high characters)	up to 1791 fpm
Maximum speed for single line print – ultra fast tower print style (5 dot high characters)	up to 1968 fpm
Maximum number of characters per second	2666
Recommended distance from print head to substrate	0.79"
Recommended distance from print head to substrate – for high speed cabling	0.2"

HARDWARE FEATURES

Easi-Change® Service Module, change interval: up to 12 months (8,000 hours)*

Unique AutoFlush automatic print head flushing and conduit clearing

Sealed print head typically only requires cleaning once per week**

Print head jet-speed control and temperature sensing for consistent printing in changing ambient temperatures

Mistake-proof, mess-free ink and solvent refilling while printing (0.5 liter ink cartridge, 1 liter solvent cartridge)

10-inch full color touchscreen with tough, solvent-resistant polymer cover

Fit-for-life ink pump with no scheduled changes required

Extended shutdowns (up to 28 days) without printer flushing or draining

Robust, flexible dual-tube conduit for static and moving print head applications

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SOFTWARE FEATURES

Single-press start print, pause print and jet shutdown

Auto power-off after jet shutdown

Simple message creation and editing with drag-and-drop field positioning, zoom function and insert mode for long messages

Total print count, message count and batch count

Message store display and message style selection

Password-protected functions with customizable user profiles

Message creation/editing while printing

Onscreen output rate measurement and production stoppage log. Downloadable onto USB

Onscreen fluid level indicators, 12 hour running from fluid refill warning to printer stop in most applications

Onscreen help and diagnostics information

PrintSync® automatic font and message format selection, based on message style selected and production line speed

Multiple operator languages (user selectable) with onscreen keyboards, secondary keyboard for multi-language printing

Simple line speed and shaft encoder setup wizard for installation on new production lines

Up to 50 line settings configurations

Dynamic orientation for printing on traverse applications

Message store and printer settings backup, copy and restore using USB storage device

Saving remote field data over a power cycle

Linx Remote Communications Interface for connection to PCs or PLCs using Ethernet port or optional RS232 port

QuickSwitch® message selection, remote field update and message select-and-populate text field using barcode scanner

MESSAGE PRINTING FACILITIES

Text, symbols and numbers

Prompted fields for one-step message editing with customizable onscreen prompts

Height, width and delay functions for easy code sizing and positioning

Automatic formats for printing dates, times and date rounding (using the printer's internal clock)

Custom date and time editor to create different date formats as required

Automatic date forward function. Add number of seconds, minutes, hours to the current time, or number of days, weeks or months to the current date

Automatic time adjustment option for daylight savings time

Sequential numbering, forward and backward counting, variable intervals, multiple number ranges, alphanumeric sequencing

One touch sequential number reset option from the printer screen and reset using external trigger

Sequential text fields, increment and reset sequences using external triggers, optional one touch sequence reset from the printer screen

'Production Schedule' function to print a sequence of messages automatically, orientation, repeat and delay options

Number of messages stored: up to 1000 using internal printer memory (depending on message content), more can be stored using a USB storage device

Variable character spacing for improved readability and vision system recognition

Rotated character (tower) printing

Reverse and inverted printing

Accurate marking at regular intervals with rollback to detect lines running backwards and high precision calculation options

Logos and graphics can be imported into the printer as monochromatic bitmap files using the USB port

Shift coding (message content changes automatically at defined times)

Barcodes (ITF 2 of 5, Code 39, Code 128, EAN 13, EAN 8, UPCA, Pharmacode, Data Matrix, QR Code, RM4SCC-Type C)

PRINT HEAD OPTIONS

2m conduit

4m conduit (optional)

90° print head configuration (optional)

Positive air purge provides improved reliability in dusty or humid environments (optional)

Air dryer provides improved reliability for certain inks at high humidity and temperature (optional)

INK RANGE

Linx MEK base high opacity pigmented inks

CONNECTIONS/INTERFACING FOR

Product detector

Shaft encoder/secondary product detector

Multiple printer triggering from single product detector/shaft encoder including quadrature encoders for directional applications

USB – for printer settings and customer data backup

Ethernet - for Remote Communications Interface

Volt-free contact alarm connection (for use with external mains-driven alarm) (optional)

Dual alarm output (volt-free and/or 24V output) (optional) with multi-stage alarm option

RS232 (optional) and Parallel I/O (optional)

PHYSICAL CHARACTERISTICS

Base and enclosure: stainless steel

IP65 environmental protection rating***

Mounting options: static stand, mobile stand, bench, shelf for wall mounting

Operating temperature range: 41-113° F

Humidity range (r.h., non-condensing): 90% max

Power supply: 100-230V, 50/60Hz

Power consumption: 38W (typical when printing)

Power rating: 120 W

Weight: 54 lbs. (including fluids and 2m print head)

REGULATORY APPROVALS

CE • UKCA • UL • CAN/CSA • FCC • BIS

* Interval may be adjusted in certain environments and applications to provide reliable running between service module changes
** When printing up to 16 hours a day, 5 days a week
*** IP rating is independently verified – certificates available on request