KGK CCS3100/CCS3000L

KGK JET

Continuous ink jet printers

Ensure reliable and efficient printing with the KGK CCS3100/CCS3000L series.

Featuring large colour touch-screen displays, up to 6 lines of print, and printing speeds up to 30% higher than standard printers, these robust KGK coders will handle typical CIJ printing applications with exceptional reliability and ease of use.

KGK's unique Nozzle Capping Technology makes daily start-up a simple and easy process.

Versatile CIJ Printer

- Can be configured for standard or pigmented inks
- Can produce optical readable industry standard 2D and Bar Codes
- IP 65 rating on CCS3100 for protection in dusty or wet environments
- Print height as small as 0.8mm to as large as 10mm
- Compact size for ease of locating on production line
- Higher speed printing capability when compared to traditional printers

Unique Technologies

- Nozzle capping for hassle free reliable and easy daily start-up
- Built-in lens in printhead for ease of monitoring print stream
- Up to 16 printers can be controlled from a single master unit without requiring special network interface
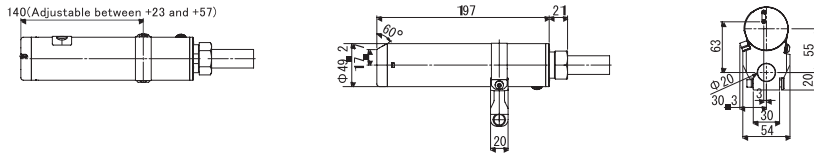- Fluorine printer nozzle ensures clean and reliable operation

Hassle-free

- Ultra-efficient nozzle design reduces fluid consumption
- Quality materials and components ensure extended reliability
- CCS3000L provides equivalent features in a more affordable package
- Engineered and manufactured with the quality that is the hallmark of KGK products
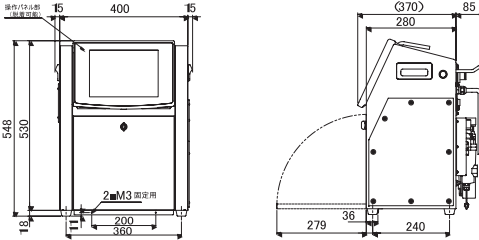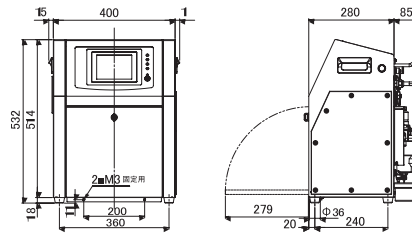
KGK CCS3100/CCS3000L

PRINTHEAD CCS3100/CCS3000

MAIN BODY CCS3100

MAIN BODY CCS3000L

Technical Specifications

SPECIFICATION	CCS3100	CCS3000L
Printing system	Continuous (charging control system)	
Ink Types	Dye and Pigment	
Dust and Moisture Rating	IP65	IP54
Material Compliance	RoHS	
Display Type	Colour LCD Touch Screen	
Display Size	10.4" (26.41 cm)	5.7" (14.48 cm)
Nozzle Sizes	40 µm / 50 µm / 60 µm	
Character Height	0.8-5 mm (40-µm nozzle), 1-10 mm (50-µm nozzle), 2-10 mm (60-µm nozzle)	
Maximum Print Speed (5x5 dot)	1780-3200 (varies with nozzle type and ink type)	
Character Type	Alphabet (upper case/lower case), numbers, symbols, user defined	
Print Lines	1-6 Lines - dependent on character dot matrix	
Character Dot Matrix Options (length x width)	"[1~6 lines] 5×5, 5×N; [1~4 lines] 7×5, 7×8, 7×N [1~3 lines] 9×7, 9×9, 10×8, 12×10 [1~2 lines] 16×12, 16×16 [1 line] 24×18, 24×24, 32×24, 32×32"	
Characters per Message	Maximum 4096	
Number of Stored Messages	Maximum 999	
Message Date/Time Configuration Options	"Christian year, year/month/day, day of the week, time (12 / 24H format), Julian date, serial week number in a year, early/middle/late period of the month (variable period setting), AM / PM, shift code, character assignment function (to assign year, month, day, hour, minute, second, day of the week) to a maximum number of 4 to 15 digits of other characters."	
Distance Printing Function	Up to 10 digits, can be divided (insert any of the characters between the numbers)	
Bar Code Printing Standards	ITF, Code39, Code128, NW-7, JAN	
2D Code Standards	QR Code, data matrix	
External Inputs	I/O, Signal light, RS-232C, LAN, encoder, UPS, USB memory	
Data Input	Touch Screen, RS-232C communication, Ethernet	
Communication Protocol	RS-232C 1CH maximum 115,200 bps, Ethernet	
Printhead Cable Length	3.5 m	
Interconnectivity	"A maximum of 16 cordless handset (slave) control is possible with one main (master). [Controllable function] start / stop, power OFF, system clock setting, message selection, printing content editing, numbering current value setting."	
Operating Environment	Temp. 0-40°C (demending on ink type), Humidity 10-85% (non-condensing)	
Installation area (width x depth x height)	Main Body: 400Wx307Dx548H (excluding projection) Print Head: ø49.2 mm x 197 mm	Main Body: 400Wx330Dx535H (excluding projection) Print Head: ø49.2 mm x 197 mm
Power	AC90-264V (47-63Hz), 80W - 3-wire Grounded	
Electrical Approval Provided	ESA	
Weight	25 kg	