

THERMOLASER 22-4

THERMOLASER 22-6

THERMOLASER 22-8



Technology - Crossover

- **THERMO-printing with laser-intelligence**

These thermal printers with laser intelligence support all kinds of applications with a proven, durable thermal printer technology

- **PCL5 data on a thermal printer**

The innovative emulations allow usage in many imaginable applications (with PCL5 as a standard application and many other possibilities such as laser printer Prescribe, Xerox XES,...)

- **IBM IPDS / SAP compatibility**

Internal IPDS emulation for direct connection to the IBM world (iSeries, AS/400)
Easy access to SAP and Oracle systems

- **Target markets**

Hospitals, medical facilities,
Fish and meat processing / packaging
Pharmaceutical production

MICROPLEX®



	22-4	22-6	22-8	
PRINTENGINE	Print technology	Thermal transfer/direct thermal harmonic (history controlled flat head technology)		
	Print speed	up to 150 mm/s up to 6 inch/s		
	Resolution	300 dpi x 300 dpi		
	Lifetime print head	up to 50.000 m (thermal transfer) up to 30.000 m (direct thermal)		
	Dimensiones (W x D x H)	274 x 512 x 291 mm	345 x 516 x 285 mm	395 x 415 x 260 mm
	Weight (without options)	15 kg	16,6 kg	18 kg
	Power supply	100/240 V, 50/60 Hz		100-120 V, 200-240 V, 50/60 Hz
	Environment	rel. hum. (n.-cond.) 45 – 75 %, temperature 5 – 35°C		
CONTROLLER	Controller	MPC 6.6 with ATMEL AT91SAM 9260 (200-MHz-RISC-Processor)		MPC 5.X with Intel XScale PXA 255 (200-MHz-RISC-Processor)
	Memory	RAM 64 MB Flash 16 MB		
	Interfaces optional	USB, IEEE 1284, Ethernet (10/100 MBit, bi-directional TCP/IP) <i>RS232, RS422, SPS-Control</i> (Integration of the printer into production lines, controlled by SPS-Interface)		
	Emulations optional	IDOL, HP PCL5e, Kyocera Prescribe, μ -Postscript, TIFF, ZPL II, Datamax, EPL, IBM ProPrinter, Epson FX, MT 40, CUPS Raster <i>Printronix IGP, Code V, IPDS</i>		
	1D Barcodes	EAN-8, EAN-13, EAN-128, Add-On-Codes, Code11, Code93, Code128, UPC-A, UPC-E, Codabar, Code39, MSI, Interleaved 2/5, Interleaved 2/5 3-Strich Datalogic, Interleaved 2/5 3-Strich Matrix, Postnet, Planet, KIX, Royalbar, USPS One Code		
	2D Barcodes	Aztec-Code, PDF417, Datamatrix, Maxicode, USD-5		
	Functions optional	Intelligent Barcode-Generation (the barcode will be generated „on-the-fly“ by the print-controller) Format splitting (the printer splits the page into several subformats) Integrated forms management (up to 12 MB Flash are available for forms, logos and fonts) <i>Status-Out</i> (gives notice of each correctly printed page via the interface)		
	MEDIA	Input	continuous, internal from roll, external (e.g. fanfold)	
Sensor type		Sensor for black mark and label gap (Reflection and transmissive)		
Media thickness		0,06 mm 0,25 mm		
Media width (max. / printable)		118 mm / 106 mm	178 mm / 168mm (165 mm mit Cutter)	228 mm / 219 mm
Roll diameter		max. 203 mm mit 3" core		
Core diameter		1,5 or 3 inch (38,1 or 76,2 mm)		
Ribbon		max. 450 m lenght on a 1 inch core (25,4 mm)		
Coated side		inside/outside		outside
Ribbon width		30 mm 110 mm	60 mm 174 mm	max. 220mm
OPTIONS	Cutter	yes		
	Peeler / Rewinder	yes (internal)		no
	24 V Conversion	yes (factory option)		no
	W-LAN Interface 802.11g	yes (factory option)		no
	UHF-RFID	integrated multi protocol-reader 869,5 MHz USA (902 928 MHz) _{request} - Japan (952 954 MHz) _{request} on		
	Protocol	EPC Class 1 Gen2, EPC 1.1.9 Philips, ISO 18000-6B/6C		
	Features	read/write/verify (void)		
	Gap between antennas	min. 10 mm		min. 20 mm
	Registration of antenna position	automatical (depending on antenna design)		manual
Integration	SAP + SUN middleware driver, MICROSOFT .NET 5.0 library			