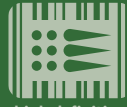


# ModulPrint



large character



high definition

- ▶ Total package graphics with print head up to 190mm
- ▶ Unique performance in every kind of industrial environment
- ▶ Printing flexibility through the ability to mix both high and low resolution print heads in the same controller
- ▶ High contrast specialized Inks for bar code printing
- ▶ Intuitive programming in order to reduce code change times
- ▶ Serviceable and interchangeable stainless steel nozzle plates



# technical specification

# ModulPrint

## printing characteristics

Modular management up to 16 heads in high and low definition  
 Up to 5 lines of print with high definition head  
 Up to 6 lines of print with low definition head  
 Characters height from 1,5 to 48 mm (0,06"-1,9") with head in high definition  
 Characters height from 5 to 190 mm (0,2"-7,5") with head in low definition  
 Line speed capability up to 180 mt/min (591 ft/min)  
 100 messages storage  
 Up to 80 characters per message with low definition head  
 Up to 240 characters per message with high definition head  
 Selectable lines vertical gap  
 Font matrix with high definition head : 5x5, 7x5, 9x7, 15x10, 16x10, 32x18  
 Font matrix with low definition head : 5x5, 7x5, 9x7, 16x10, 32x18, 48x30  
 Logo editor  
 26 logos storage  
 Automatic date and expiry date multifunction  
 Incrementing/decrementing product counters up to 9 digits  
 Repeat print - message function  
 Printing in all moving directions  
 Tower print function (text rotation of 90°)

## bar codes (high definition version)

2/5 Industrial • UPC-A • CODE 39 • EAN 13 • EAN 128 (A,B,C)  
 • CODE 128 (A,B,C) • ITF (A,B,C)

## construction characteristics

Membrane keyboard solvent resistant  
 Backlit graphics WYSIWYG display  
 Stainless steel structure AISI 304  
 Printing head-console distance: up to 10 mt (33 ft)

## general features

Ability to store the printing parameters in each message  
 Report function for executed printing counter  
 Operator password access  
 Operator interface with foreign languages

## high definition print head

High speed piezoelectric technology  
 Horizontal resolution up to 200 dpi  
 Vertical resolution up to 64 dpi  
 Stainless steel unique nozzle plate AISI 316  
 Serviceable and repairable nozzle plates  
 Pigmented inks solvent free  
 Innovative shock and vibration proof system  
 Stainless steel structure AISI 304  
 Dimensions print head T96: 148 mm x 130 mm x 90 mm (5,8" x 5,1" x 3,5")  
 Dimensions print head T192: 148 mm x 125 mm x 110 mm (5,8" x 4,9" x 4,3")  
 Dimensions print head T352: 148 mm x 55 mm x 120 mm (5,8" x 2,1" x 4,7")

## low definition print head

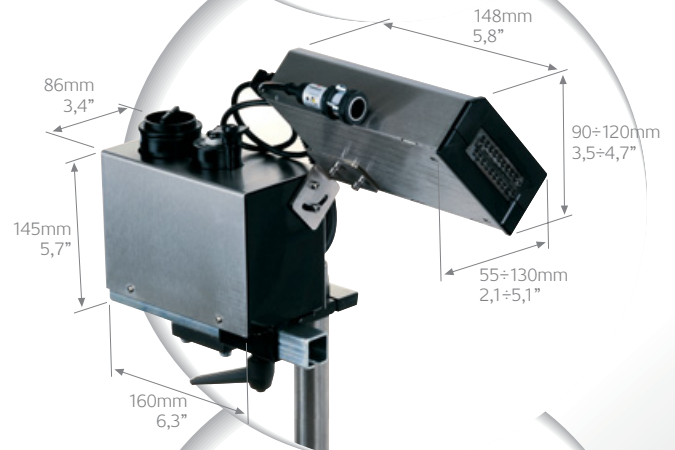
High speed solenoid technology  
 Rapid drying solvent based high adhesion Inks  
 Stainless steel nozzle plate AISI 304  
 Stainless steel structure AISI 304  
 Dimensions print head 7 dots: 230 mm x 80 mm x 45 mm (9,0" x 3,1" x 1,8")  
 Dimensions print head 16 dots: 230 mm x 80 mm x 85 mm (9,0" x 3,1" x 3,3")  
 Dimensions print head 48 dots: 230 mm x 80 mm x 215 mm (9,0" x 3,1" x 8,5")

## external connections

Serial port: RS232, RS422 e RS485  
 Optical sensor for product sensing  
 Parallel interface for BCD input  
 System ready output  
 Encoder connection for variable speed production lines  
 External alarm outputs with 3 lights column  
 Scanner connection for bar code verification

## environment/electric requirements

Temperature: from 5° to 45°C (40° - 113°F)  
 Humidity: 0 - 90% (non-condensing)  
 Single Phase, 85 - 240 Vac, 50 - 60 Hz, 200 VA



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