

SmartDate® 5

thermal transfer coders ■ ■ ■



Our technology ■ ■ ■

Market leading thermal transfer overprinters deliver the highest quality printing at the fastest speeds on flexible packaging films, foils and labels.

The SmartDate® 5 delivers a new level of efficiency in date, batch and traceability codes. Accurate product details from ingredients to barcodes for the food, personal care and pharmaceutical industries worldwide.

Your benefits ■ ■ ■

Productivity – Advanced ribbon saving features including industry leading 0.5 mm print gap, delivering more prints for the same length ribbon.

Performance – Prints up to 1000 mm/sec. Meets extreme substrate acceleration/deceleration challenges. Prints at speeds as low as 5 mm/sec.

Efficiency – WYSIWYG print preview displayed on color touch-screen. USB connectivity to download print images and collect coding data logs from standard memory sticks.

Simplicity – Advanced digital color control enables you to set printer and production parameters including auto rolling of date and shift codes.

Flexibility – Color touch-screen or classic monochrome controller. Integrated or networked control options available. Switch from intermittent to continuous operation easily.



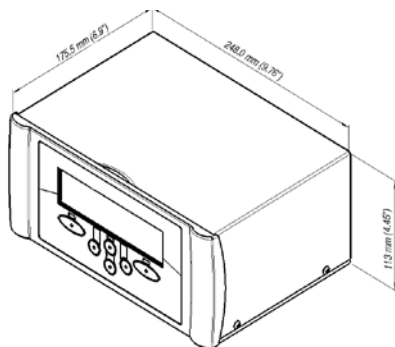
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the team to trust ■ ■ ■

SmartDate® 5 specifications ■ ■ ■

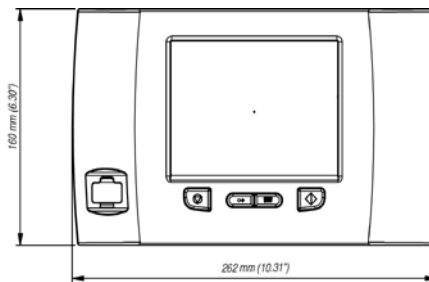
Print features ■ ■ ■

- Print speed:
 - Intermittent: 55 to 700 mm/s
 - Continuous: 5 to 1000 mm/s
 - Continuous: 5 to 1800 mm/s shuttled
- Print area:
 - Intermittent: 53 mm x 75 mm
 - Continuous: 53 mm x 150 mm
- Print features:
 - DRM – Digital Ribbon Management – full electronic management of the ribbon
 - DRA – Digital Ribbon Advance – electronics, mechanics and software ensuring that the gap between the prints is kept at 0.5 mm
 - DRS – Digital Ribbon Save (5s only) – reduces your consumable costs
 - Relative motion – no missed prints (not available on 5s)
 - Automatic shift codes and serial numbers
 - Multiple variable user input fields with alpha numeric texts
- Print specifications: Full true type font support, including non Roman characters and symbols. Printing of the real time clock, dates and auto updating best before dates
- Barcodes; ITF, Code 39, Code 128, EAN 128, EAN 8, EAN 13, UPC A, UPC E, RSS linear
- *0.5 mm standard gap between prints
- *PDF 417, ID Matrix, QR and Composite RSS barcodes support



Operations ■ ■ ■

- Color user led interface (standard) backlit color LCD TFT touch screen
- WYSIWYG print preview of printed image
- Display of ribbon remaining
- Full diagnostics
- Robust LED status indicators on the printer
- Webbing diagram for fast ribbon changes
- Hardware interface:
 - Inputs: "Print go" and 1 configurable input
 - Outputs: Fault, warning, and 2 configurable outputs
 - Optional Expansion PCB for additional inputs, outputs and communications ports
- S/W interface:
 - USB for downloading images, settings and data files (Color version only)
 - RS232, Ethernet communications standard
 - Communications protocols for PCs, PLC and packaging machines including full remote control web server
- Software:
 - CoLOS® Create image design software included
 - CoLOS® Create Pro (Optional)
 - CoLOS® Enterprise for networking (Optional)

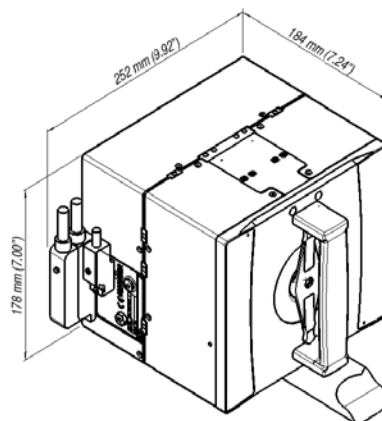


Other characteristics ■ ■ ■

- Supplies: Thermal transfer ribbon available in a variety of grades and colors
- Maximum ribbon length: 1100 m
- Minimum ribbon width: 20 mm
- Maximum ribbon width: 55 mm
- Weight:
 - Printer: 7.8 kg
 - Color controller: 4.5 kg
 - Classic controller: 4.0 kg
- Electrical and air: 90 – 264 V, 47 – 63 Hz power supply
- Typical current consumption 1 A @ 230 V, 2 A @ 100 V
- Air supply: 6 bar/90 psi (maximum) dry, uncontaminated
- Air consumption: 0.5 ml/cycle
- 6 bar max, dry uncontaminated

Options ■ ■ ■

- Classic user interface backlit mono chrome graphic LCD unicode character support, display of ribbon remaining and full diagnostics



To learn more, visit www.markem-imaje.com



We reserve the right to amend the design and/or specifications of our products without notice.