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Product Description Sheet

Loctite® Digital Syringe Dispenser

Item 883976

North American Engineering Center, July 2006

PRODUCT DESCRIPTION

The Loctite® Digital Syringe Dispenser 883976 is a semi-automatic dispensing system designed to dispense adhesives and fluids packaged in 3, 5, 10, 30, 55 syringes and 300 ml cartridges. The unit has digital timing control with decimal settings to 0.001 seconds for increased precision over typical pressure-time systems. An adjustable pressure regulator controls a pulse of air, and when used in conjunction with an airline adapter attached to an adhesive syringe barrel, will provide a controlled dispensed amount of adhesive. The system can be operated in the manual, incremental, or timed (automatic) dispense mode to dispense dots, beads or to fill syringes.

PRODUCT FEATURES

- Vacuum suck-back can effectively control product dripping or stringing.
- 3 Operating Modes:
 - Manual – operator controlled dispense time via foot pedal actuation.
 - Incremental – dispense time is in increments (up to the set time) as foot pedal is pressed and released.
 - Timed – the pre-set dispense time is achieved via single foot pedal actuation.
- Convenient “teach mode”; Unit will learn time required based on how long foot pedal is depressed.
- Cycle counter is clearly displayed in the LCD screen.
- The unit can be integrated into a customer's PLC programming to initiate a dispense cycle.
- CE and RoHS Compliant.
- Units can be stacked securely to save workspace.
- "Plug-and-play" capabilities allow for integration to a Robot (with Interface Cable # 98395) to make a complete dispensing system.



Technical Data

- Size: 6" Wide x 6.5" Deep x 7" High
- Weight: 2.6 lbs.
- Input Voltage: 24 VDC via Universal Power Cord / Adapter (supplied).
- Air Input: 100 psi max.
- Air Output: 100 psi
- Timer range: 0.020 – 99.999 seconds
- Cycle Modes: Manual, Incremental, or Timed
- Timing Repeat Tolerance: +/- 0.001 %.

Loctite® Digital Syringe Dispenser 883976 includes:

- Universal Power Cord / Adapter, item 902520
- Foot Switch, item #902521 (8900571)
- Syringe Stand, item # 901459
- (1) 10 ml and (1) 30 ml Airline Adapter
- Airline Support Mast
- Needle Sample Kit
- Inlet Air Hose Fitting Kit (4 pcs.)
- Inlet Air Hose (6 mm O.D. x 6' length)

Loctite® Brand Accessories (not included):

- 10 ml syringe barrel kits; clear # 88656; black # 218287
- 30 ml syringe barrel kits; clear # 88677; black # 218286
- 55 ml syringe barrel kits; clear # 583952; black # 583954
- 3 ml syringe airline adapter (2 pk); # 862839
- 5 ml syringe airline adapter; (2 pk) # 863232
- 10 ml syringe airline adapter (2 pk); # 88657
- 30 / 55 ml syringe airline adapter (2 pk); # 88678
- Inlet airline filter regulator; # 478603
- Finger switch; # 988896

NOT FOR PRODUCT SPECIFICATIONS

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