

150DP series peristaltic pump dispenser

Specification Sheet 1 (last updated Feb 2011)



- Power Supply- Wall adaptor with universal plug adaptors, 100-240 VAC, 0.3A, max. 47-63Hz with 12 VDC, 0.5A output.
- Accuracy: 0.3% @ 500 μ l
- Precision: 0.8% @ 500 μ l
- Max Flow Rate using 3.0 mm ID Silicone tube: 70 ml/min
- Material Wetted Parts: Santoprene or Silicone
- Tube Connection: 2 mm ID Santoprene tubing, 1 mtr
- Optional: 1 mm and 2 mm ID Silicone tubing, 1 mtr
- Automated Dispense Cycles: 1-99 seconds
- Dispense Intervals: 1-99 Seconds
- Options: Wall mounting bracket/stand; foot pedal

Hand held or wall mount, the fully programmable electronically controlled Williamson Pumps 150DP series peristaltic pump dispenser has been developed for scientific applications where precision and versatility go hand in hand.

Use the 150DP dispenser to transfer a precise amount of reagent directly from your reservoir to your application. Minimize waste- prime back to your reservoir and aspirate back any unused reagents.

The unit features easy tube changes via a uniquely designed, hinged tube cover. Volumes can be calibrated to match two different tube sizes and the display can be adjusted to show the desired working range in either μ or ml.

The simple to master controls allow you to dispense or aspirate any volume with high precision and accuracy. A dispense protocol can be programmed to repeat up to 99 times with up to 99 second intervals. A single touch of the "Stop" button and any pump operation is immediately terminated.

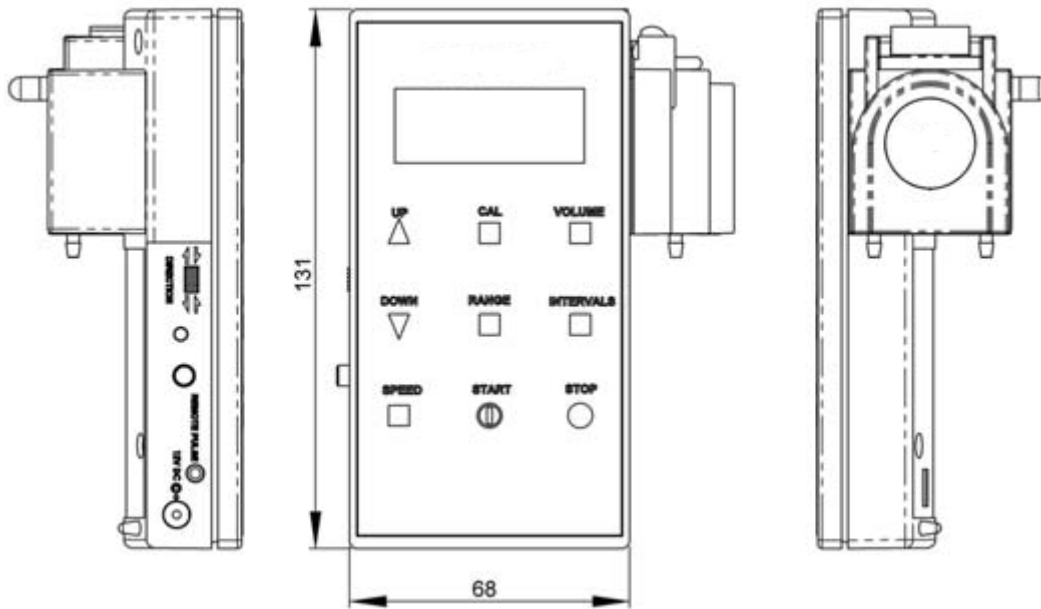
FUNCTIONS:

- Change Pump Direction- The pump controller can be used for dispensing or aspirating. The slide switch on the left side of the unit sets the direction that the pump rotor rotates.
- Pump Speed- Press "Speed+Up" or "Speed+Down" to increase or decrease speed. Speed can be adjusted from 180 to 255 rpm.
- Continuous Dispense Mode: Press "Volume+Start for continuous Running, press "Stop" button to stop.
- Adjust Dispense Volume: Press "Volume Up" or "Volume Down" to enter the volume nearest to your desired volume.
- Interval Dispense- Set the unit to dispense the desired volume for a number of times in predefined intervals.
- Volume Calibration: Establish dispense volume with gravimetric samples using the "CAL" button to set a deviation from the system default value of 1.000 ml or change the default value to dispense larger volumes by shifting the default value decimal point.

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Specification Sheet 2 (last updated Feb 2011)



	WMC Part number	Description
Pump	150-DP-02 150-smps-12 150-brkt 150-opguide 150-footswitch	Dispensing Pump 12VDC 90RPM 3 rollers Power supply 100-240V 1 50/60Hz universal plug in Wall mount bracket/stand Operators guide for 150-DP Foot switch for 150-DP
Tube Set (76mm long) with Nylon connector	150-sil-01-01 150-sil-02-01 150-sil-03-01 151-sant-01-01 151-sant-02-01	Silicone tube (plat cured) 1mm ID x 1mm WT Silicone tube (plat cured) 2mm ID x 1mm WT Silicone tube (plat cured) 3mm ID x 1mm WT Santoprene tubing 1mm ID x 1mm WT Santoprene tubing 2mm ID x 1mm WT
Tube Clamp (for use with continuous tube)	150-TC-01 150-TC-02	Tube clamp for 1mm tube Tube clamp for 2mm tube
Tubing (per metre)	150-sil-01-1M 150-sil-02-1M 150-sil-03-1M 151-sant-01-1M 151-sant-02-1M	Silicone tubing 1mm ID x 1mm WT per metre Silicone tubing 2mm ID x 1mm WT per metre Silicone tubing 3mm ID x 1mm WT per metre Santoprene tubing 1mm ID x 1mm WT per metre Santoprene tubing 2mm ID x 1mm WT per metre

The easiest way to place an order or check prices is via our online shop at <http://www.williamson-shop.co.uk> but please contact us for any requirements not listed or to place an order over the phone.

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