

150DP series peristaltic pump dispenser

Specification Sheet 1 (last updated June 2019)



- Power Supply- Wall adaptor with universal plug adaptors, 100-240 VAC 47-63Hz with 24 VDC, 0.25A 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: Silicone (2mm supplied) or Santoprene or PHI.
- Tube Connection: 2 mm ID Santoprene tubing, 1 mtr
- Tubing supplied by the metre
- 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-520 peristaltic pump dispenser has been developed for scientific applications where precision and versatility go hand in hand.

Use the 150DP-520 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.

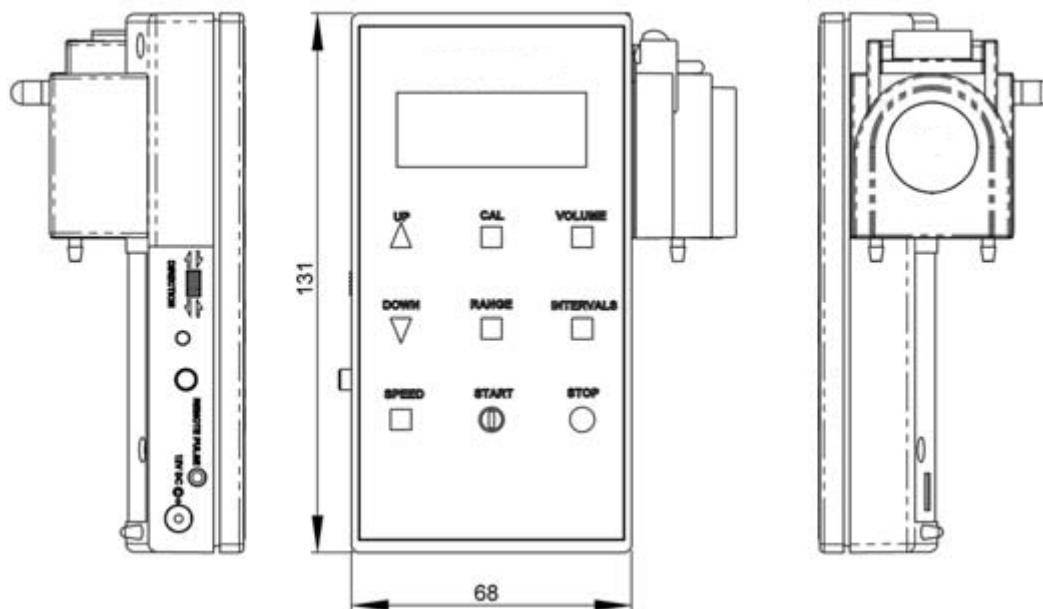
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Specification Sheet 2 (last updated June 2019)



	WMC Part number	Description
Pump	150-DP-520 150-smgs-12 150-brkt 150-opguide 150-footswitch	Dispensing Pump 24VDC 520RPM 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)	150-01-01-1M 150-02-01-1M 151-01-01-1M 151-02-01-1M 153-01-01-1M 153-01-01-1M	Silicone tubing 1mm ID x 1mm WT per metre Silicone tubing 2mm ID x 1mm WT per metre Santoprene tubing 1mm ID x 1mm WT per metre Santoprene tubing 2mm ID x 1mm WT per metre PHI tubing 1mm ID x 1mm WT per metre PHI 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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