

# The **DEETER** Group<sup>®</sup>

## deeterflow<sup>®</sup>

### Liquid Volume Dispenser



The Liquid Volume Dispenser is designed to deliver a measured volume of liquid at the press of a button. In normal use, the operator selects a volume, presses a button and the Dispenser delivers the required volume without further operator intervention.

The volume is easy to select and is retained in non-volatile memory for repeat operation. Volumes between 0.10 litres and 10 litres can be selected in increments of 0.01 litres.

The Dispenser will accurately measure volumes over a flow rate range of between 0.5 litres/minute and 5 litres/minute. A calibration menu allows fine adjustment of the dispense volume and optional internal adjustments are available to compensate for the effects of varying flow-rates and changes in liquid temperature.

The Liquid Volume Dispenser has two John Guest Speedfit<sup>®</sup> push-fit connectors for fluid in and out. These take a tube with outside diameter of 8mm. Wetted surfaces are nylon, PTFE, Buna and acetal, making the Liquid Volume Dispenser suitable for a wide range of fluids.

Operator controls consist of a three-button keypad and a liquid crystal display. The display shows the selected volume and progress during dispensing. A number of additional features are available through the keypad, including pause and restart during dispensing, cancelling dispensing, and manual 'top-up' control.

Deeter House  
Valley Road  
Hughenden Valley  
Bucks HP14 4LW

Tel: +44 (0)1494 566 046  
Fax: +44 (0)1494 563 961  
Email: sales@deeter.co.uk



www.deeter.co.uk

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The Dispenser can be connected to a PC for remote control and monitoring and is supplied with an easy-to-use software application that repeats the operator controls and displayed information.

The Liquid Volume Dispenser is powered by a low-voltage supply, making it safe to use in damp environments or if liquid is spilt. A 12VDC mains socket adapter is supplied with each Dispenser.

#### Specification

<b>Dimensions</b>	175mm x 125mm x 78mm	<b>Power supply</b>	10-15VDC @ 500mA 12VDC mains socket adapter supplied
<b>Dispense Volume</b>	0.10 L – 100 L in 0.01 L steps	<b>Flow Rate Range</b>	0.5 – 5.0 litres per minute
<b>Minimum inlet pressure</b>	0.2 Bar	<b>Inlet pressure rating</b>	at 20 °C up to 10 Bar at 65 °C up to 4 Bar
<b>Dispense Accuracy<sup>(1)</sup></b>	±1% at constant temperature and flow rate	<b>Fluid Temperature Range<sup>(1)</sup></b>	0°C to +65°C
<b>Fluid Connections</b>	8mm OD, push-fit	<b>Suitable Tube Materials<sup>(2)</sup></b>	Polyethylene, nylon, polyurethane, brass, copper, mild steel
<b>USB connection</b>	USB to serial connection (Cable not Supplied)	<b>Software/CD</b>	User Guide Software and Datasheet

<sup>(1)</sup> Water

<sup>(2)</sup> For soft or thin-walled tubing, tube inserts should be used.

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### Ordering Information

Description	Ordering Code
Liquid Volume Dispenser	DE012-0117

**All electrical equipment should be installed by a qualified/certified electrician.**

The Deeter Group follows a policy of continual development of its products and reserves the right to change specifications and/or features without notice.

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