

The DEETER Group®

deeterflow®

Automatic Liquid Dispenser



The Automatic Liquid Dispenser incorporates a pump and a flow-meter to deliver a measured volume of liquid. Delivery can be initiated at the press of a button, by external input signal, or automatically by means of an internal timer. The timer can be selected to start dispensing at regular intervals or start dispensing at set times of the day, on a daily or a weekly basis.

The volume is easy to select and is retained in non-volatile memory for repeat operation. Volumes between 0.20 litres and 100.00 litres can be selected in increments of 0.01 litres.

The Dispenser will accurately measure volumes over a flow rate range of between 0.05 litres/minute and 5 litres/minute. A simple calibration method enables the dispenser to repeatedly deliver accurately measured volumes and also allows for fine adjustment of the delivered volume.

The Automatic Liquid Dispenser has two John Guest Speedfit® push-fit connectors for fluid in and out. The fittings take a tube with an outside diameter of 8mm and can be used with polyethylene, nylon, polyurethane, brass, copper, or mild steel tubing. (Tube inserts should be used for soft or thin-walled tubing).

The front-panel display shows the selected volume and progress during dispensing. It also enables various option menus to be viewed and provides warning messages if error conditions are detected.

The Dispenser has a serial communication option to enable automated control and monitoring by computer, this requires a USB A to B cable.

The 12VDC mains adapter supplied with the dispenser plugs into the socket labelled on the rear panel. Low voltage operation makes the dispenser safe to use in damp environments or where liquid can be spilt.



Poppenbouwing 54, 4191 NZ Geldermalsen,
T:0345 596 000, info@adinco.nl, www.adinco.nl

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

www.deeter.co.uk

Automatic Liquid Dispenser

Specification

| | | | |
|--|--|--|--|
| Dimensions | 265mm x 120mm x 295mm (wxhxd, excludes plumbing and wiring connections) | Power supply | 10-15VDC @ 3A (12VDC mains socket adapter supplied) |
| Fuse | 4A, anti-surge, 5x20mm cartridge | Fluid Connections⁽¹⁾ | 8mm OD, John Guest Speedfit® |
| Serial Communications connector | USB Type B socket | Remote Switch connector | Locking 3-pin DIN plug (mating socket supplied) |
| Dispensed Volume Range | 0.20 – 100 litres in 0.01 litre steps | Nominal flow rate⁽²⁾ | 3.2 litres per minute |
| Flow rate range⁽³⁾ | .05 – 5.0 litres per minute | Dispense Accuracy⁽⁴⁾ | ±1% |
| Fluid Temperature Range | 0°C to +43°C | Filter | Stainless Steel, 60 Mesh (250 microns) |
| Wetted Materials | acetal (polyformaldehyde) polyether polyurethane glass-filled polypropylene glass-filled polyamide (Nylon) polyamide-12 (Nylon-12) nitrile rubber (NBR) EPDM rubber stainless steel | Pump Sound Level | 65 decibels (typical) |

(1) Suitable tube materials include: polyethylene, nylon, polyurethane, brass, copper, mild steel. For soft or thin-walled tubing, tube inserts should be used.

(2) Typical flow rate with 12V supply, clear filter, minimal external tube restrictions and minimal height differential between outlet of fluid and pump.

(3) For accurate dispenses

(4) Water at constant temperature and flow rate

Ordering Information

| Description | Ordering Code |
|----------------------------|---------------|
| Automatic Liquid Dispenser | DE012-0234 |

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



Poppenbouwing 54, 4191 NZ Geldermalsen,
T:0345 596 000, info@adinco.nl, www.adinco.nl

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