



don whitley
scientific
excellence in microbiology

Sample Preparation Dilumat 4 Gravimetric Diluter



**A range of equipment
designed to streamline
sample preparation – giving
microbiologists the
necessary time to assess
results rather than record
sample weights**

The importance of sample preparation in the microbiology laboratory is often overlooked. Traditionally, preparing samples is a laborious task involving the weighing of samples and diluent prior to blending. In these days of increasing documentation, the recording of all these weights can be very costly in time spent and can impact on the throughput of samples.

The Dilumat 4 gravimetric diluter standardises the dilution of solid and liquid samples in blending bags prior to homogenisation. Diluent can also be added to flasks, bottles or to the bowl of a Waring Blender.

It is designed to fulfil the requirements of regulatory authorities, giving both accuracy and traceability of results, as well as offering real time savings for the busy microbiology laboratory.

The Dilumat 4 is microprocessor controlled and has a load cell and either one or two pumps for dilution and/or pouring. It is user friendly and displays, on an LCD screen, parameters such as sample weight, dilution factor or programme menus.

www.dwscientific.co.uk

Standard Features

User friendly
Optional barcode reader for sample, diluent and operator identification
Sturdy, splash-proof, ergonomically-designed epoxy body-frame
Curved design for easy cleaning
Automatic selection of pump and diluent in accordance with selected dilution programme
Self-regulating weighing system featuring dry alarm
Self-regulating dilution system featuring incoming warning message system
Automatic stop when diluent has run out
Sturdy, one-piece cast aluminium frame for improved reading reliability

Options

So1935 Additional pump head (including 2 tubing sets)
So1708 80 column printer
So1984 Dilumat 4 4 pump turbo head kit
So1985 Dilumat 4 4 pump option
So1933 Network board for Labmaster connection

Accessories

So1859 Dilumat labels (pack of 6,000)
So1778 Labels (pack of 1,200)
So1975 Complete tubing set
So1743 Altuglass bag holder to hold 1 bag (complete)
So1732 Bag holder (perspex only)
So1156 2 litre reservoir
So1157 5 litre reservoir
So1741 Altuglass bag holder to hold 10 bags
So1779 Puradisc filter 0.2 μ (single)
So0388 Adhesive pads for bags (pack of 42)
So1976 Tubing set without nozzles
So1977 Pre-cut tubing (pack of 5)
So1982 Dilumat 4 Turbo tubing set without nozzles
So1983 Dilumat 4 Turbo pre-cut tubing
M30035 Silicone tubing (per metre)
Boo199 Bag of closing clips (pack of 50)

Specification

Order Code: So1910
Instrument Size (mm): 500 x 500 x 500 (w x d x h) – bag holder attached
Instrument Weight: 12kg
Packaged Size (mm): 410 x 540 x 570 (w x d x h) – bag holder not attached
Packaged Weight: 16kg
Power supply – 230V - 50/60Hz \pm 10%
Operating temperature – 5 to 40°C
Dilution time – 10-15 seconds for 250g
Minimum sample weight – 1g
Maximum weight – 1,500g
Accuracy – 0.1g of sample weight

Don Whitley Scientific Limited

14 Otley Road, Shipley, West Yorkshire, BD17 7SE, England.

Telephone: +44 (0)1274 595728 Fax: +44 (0)1274 531197

Website: www.dwscientific.co.uk Email: info@dwscientific.co.uk