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## Sample Preparation Dilumat<sup>®</sup> S



**A gravimetric diluter that ensures a true 1/10 dilution**

**Rotating dispensing arm facilitates addition of sample**

**Larger bore tubing speeds up the process without loss of accuracy**

**Can connect to LIMS or operate as a stand-alone unit**

The latest addition to our range of gravimetric diluters is the Dilumat<sup>®</sup> S, a unit with many new characteristics. The design incorporates a new style central structure to house the tubing for dispensing. The dispensing arm rotates automatically to the stomacher bag or vessel when the machine is ready to dispense. The arm then rotates away from the sample preparation area to provide more room to work and facilitate the addition of the sample. The improved pump arrangement is easier to clean and makes it convenient to load the tubing.

With a capacity of 2.5kg (sample + diluent) the sturdy design of this piece of equipment allows it to be used for a larger sample volume. The tubing on this model has a larger bore to accommodate a greater amount of diluent in a shorter time, speeding up the whole process whilst retaining a high degree of accuracy.

An icon-driven display simplifies operation and ensures the Dilumat<sup>®</sup> S is quickly incorporated into your sample preparation process. It can be connected directly to your LIMS system or used as a stand-alone unit.

As laboratories are forced to increase their workload, standardisation and automation may go some way to helping with the problem of limited staff resources.



## Standard Features

Microprocessor controlled  
Splash -proof design  
Easy to clean  
Wider bore tubing  
Rotating arm  
Stops automatically when diluent runs out

## Options

M10464 Thermal Printer  
S01713 Bowl/Beaker Stand  
S02171 Additional Pump Head (includes 1 tubing set)

## Accessories

M10094 Priming Tube and Connector for Media Dispensing  
M10493 Priming Nozzle  
M30035 Silicone Tubing (1 Metre)  
S01779 Puradisc Filter 0.2u (single)  
S01977 Precut Pump Tubing (Pack of 5)  
S02059 Diptube Assembly  
S02112 External Bar Code Reader  
S02173 Complete Tubing Set  
S01156 2 Litre Reservoir  
S01157 5 Litre Reservoir  
S00388 Adhesive Pads for Blending Bags (Pack of 50)  
S02180 RS232 Cable for PC Connection  
S02179 Labels for Thermal printer

## Specification

Order Code: S02170  
Instrument Size (mm): 442 x 455 x 450 (w x h x d)  
Instrument Weight: 11 kg  
Packaged Size (mm): 600 x 300 x 60 (w x h x d)  
Packaged Weight: 14.5 kg  
Power supply: 230V  $\pm 10\%$  50-60Hz  
Dilution duration for 25 g: about 20 s  
Maximum final weight: 2,500 g  
Automatic tare  
Self-regulating automatic calibration system  
Self-regulating dilution with anomaly warning  
One or 2 pumps (2nd pump optional)

In the interests of a policy of continuous product improvement the company reserves the right to alter product specifications without prior notice. All rights reserved.  
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"I really don't know how we would cope without our Dilumat now. We've had one for 4 years and it is used every day, having become a major part of our sample preparation process. One of the major benefits is being sure that the dilution is done correctly prior to reaching post-analysis QC and realising that there is a problem. Often that's just too late and ultimately wastes money, staff time and other valuable resources."  
**Microsearch Laboratories Limited**

### 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.dwsscientific.co.uk](http://www.dwsscientific.co.uk) Email: [info@dwsscientific.co.uk](mailto:info@dwsscientific.co.uk)