

# Colony counters

## Densitometers, DEN-series

### Grant bio

Extremely compact, benchtop nephelometers developed primarily for microbiological and Life Science applications involving the turbidity of bacterial and other cell suspensions.

- ◆ Measure turbidity in McFarland units (McF)\*
- ◆ Choice of ranges:-
  - 0.3 to 5 McF (model DEN-1)
  - 0 to 6 McF (model DEN-1B)
  - but can measure from 0 to 15 McF, operating under a wider standard deviation
- ◆ Factory calibrated, with non-volatile memory. can be user calibrated using commercial standards or prepared cell suspensions
- ◆ Accept 18mm overall diameter sample tubes (or 16mm overall diameter tubes using the adapter supplied) for 2ml minimum or greater sample volumes

Model		DEN-1	DEN-1B
Range x resolution, McFarland units	McF*	0.3 to 15.0 x 0.1	0.00 to 15.00 x 0.01
Precision	%	±3 – both models	
Measurement time	secs.	1 – both models	
Wavelength	nm	565 – both models	
Display		LED	LCD
Power supply		a.c. adapter requiring a 100-240V 50/60Hz a.c. phase supply	3 x 1.5V AA batteries or a.c. adapter requiring a 100-240V 50/60Hz a.c. single phase supply
Overall W x D x H	mm	165 x 115 x 75 - both models	
Weight	kg	0.7 - both models	

\*1 McFarland unit approximates to  $3 \times 10^8$  CFU per ml

As described. Supplied with adapter for 16mm diameter sample tubes, a.c. adapter for 100-240V 50/60Hz a.c. supplies (and 3 x 1.5V AA batteries – model DEN-1B only).

**CR500-10** DEN-1  
**CR500-20** DEN-1B

#### Accessories and Spares

**CR502-04** Set of latex particle suspension standards, 0.5, 1, 2, 3 and 4 McFarland units  
**BL610-15** 1.5V AA battery, spare for CR500-20 (3 required)  
**TE154-40** Test tubes, rimless, 125 x 18mm, pack of 150  
**TE154-38** Test tubes, rimless, 125 x 16mm, pack of 150



CR500-10 in use



CR500-20 in use