

# CR, VL, TE

## Технические характеристики

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# Colony counters

## Portable

Hand-held, battery operated, pen-style counter with five digit LCD readout of accumulative count-up and reset. With positive "click" registration of tip pressure, confirmation beep (unless tip is pressed in rapid succession) and felt tip pen with water-based, black ink that can be removed from glass or plastic surfaces once the count is complete. Overall 155 x 19mm L x dia. Weight 30g.

- CR275-15** Colony counter, pen
- CR276-04** Spare black tip pen
- BL630-06** Spare battery, 1.5V

### Tally and Totalising Counters

Tally counters – see *CW608-10*, *CW610* and *CW620* series.

Totalising counters – see *CW650* series.

### Eyepiece Graticules

For use in light microscopes to assist counting – see *ML200* to *ML220* in the *Microscope* section.

### Incubators

Including cooled and CO<sub>2</sub> models for growing cultures – see *Incubators* section.

### Media inoculators

Including: Loops, Needles, Spreaders, Swabs – see *Clinical* section.

### Culture Media

Dehydrated culture media - see *CX900/CX904*-series.

## Digital Count

High specification model for reliable and efficient bacterial colony counting on nutrient agar in petri dishes.

- ◆ Glare-free, evenly distributed, peripheral LED illumination with adjustable dimming
- ◆ Adjustable count pressure sensitivity
- ◆ LED count display 0 to 9999 with reset button and adjustable volume, audible count signal
- ◆ Any probe or felt-tip marker is suitable for counting
- ◆ Includes contrast disc for counting colonies on clear or dark agars
- ◆ Wide choice of accessories available

### Colony Counter, Count

As described. With pressure pad, adjustable illumination and count pressure sensitivity, audible count signal and USB output port. Fitted with LED count display, reset button, mains switch, dimming, sensitivity and count signal adjustment controls. Without magnifier. Overall 260 x 250 x 130mm W x D x H. Weight 3kg. For 100-240V 50/60Hz single phase supplies.

- CR303-40** Colony counter, Count

### Accessories

- CR303-72** Magnifier, 3X, 100mm dia. goose neck stem
- CR303-74** Magnifier, 6X to 8X, 60mm dia. goose neck stem
- CR303-76** LED 'top' illuminator for lighting cultures from above
- CR303-80** Adapter for centring 50/60mm dia. petri dishes
- CR303-83** Adapter for centring 140/150mm dia. petri dishes
- CR303-85** Spiral plater disc, black/white
- CR303-87** Wolffhuegel grid counting plate
- CR303-89** USB cable for connection to user's PC

## Digital SC6+

- ◆ LED digital readout to 999 counts
- ◆ Adjustable pressure sensitive count system
- ◆ Can be used with probe or felt-tipped pen
- ◆ Audible confirmation of each count
- ◆ Built-in average count facility allows multiple plates to be counted and average colony count calculated
- ◆ Glare-free, peripheral illumination
- ◆ Choice of light or dark background
- ◆ Accepts up to 90mm diameter petri dishes
- ◆ Can be connected to an accessory printer or the user's PC via a USB output and cable, enabling download of colony statistics and eliminating manual errors
- ◆ Accessory 1.7X and 3X magnifiers allow smaller colonies to be counted

### Colony Counter, digital, Stuart SC6+

As described. With peripheral illumination and sloping front to reduce operator fatigue, zero/reset/average keys, mains switch and count pressure sensitivity control. Supplied with one Wolffhuegel graticule, dish centring adapters for 50 to 90mm diameter dishes, a USB interface and cable, and one segmentation disc. Without magnifier. Overall 310 x 300 x 140mm W x D x H (without magnifier). Weight 1.5kg. For 230V 50Hz single phase supplies.

- CR315-70** Colony counter SC6+

### Accessories

- CR315-85** Magnifier, 1.7X
- CR315-87** Magnifier, 3X
- CR315-90** Wolffhuegel graticules, pack of 10
- CR315-95** Accessory printer with power adapter for 100-250V 50/60Hz supplies

Petri dishes and accessories – see *Petri Dish* and *Tissue Culture* sections.



**CR275-15** in use



**CR303-40** in use with accessories



**CR315-70** with accessories



**CW620-30**



**CW650-10**

# 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

**TE604-65** Test tubes, sterile, with screw cap, 100 x 16mm, pack of 450



CR500-10 in use



CR500-20 in use

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