

# 3000 SERIES

## 1 3001/3002 revolution, 3003/3004 heavy duty and 3007/3008 large figure revolution totalisers



3001



3002

### 3001/3002 and 3003/3004

These units count revolutions on many different types of production machinery. The models shown are the basic units; variations are available to special order. All models are robustly constructed for continuous operation at high speeds with the main shaft running in double oil impregnated bearings to ensure accurate, long term, trouble free service.

- 6 digit 6.4mm (0.25in) readout.
- Up to 3000 counts per minute with 1:1 gear ratio.
- Top or Front viewing models available.
- 1:1, 1:10, 2:1, 3:1, 4:1 gearings as standard.
- Customised gearing available on all models (but some gearings may have fewer digits on the readout).
- Reset to zero and non-reset models available.
- Reset by lever, or cylindrical lock and key.

These counters can be driven from either or both sides. All resettable models can have the reset lever on the left or the right. A non-reset model is also available.

3001/3002 have 6.35mm (0.25in) diameter drive shafts. 3003/3004 have 10mm (0.394in) diameter drive shafts. Measuring wheels and shaft encoders are shown in sections 7 and 9 of this catalogue.

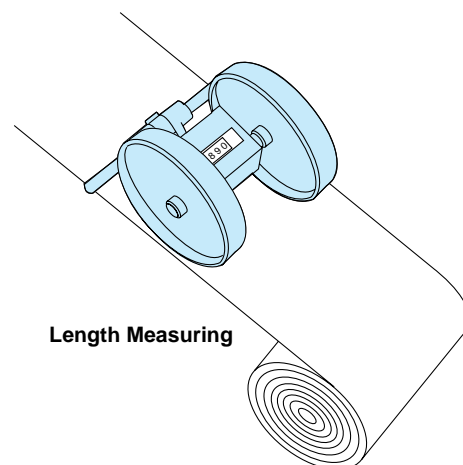
### 3007/3008

These models have large 5 digit 9.5mm (0.37in) readouts. Otherwise the specification is as for the 3001 and 3002. 6 digit models are also available (depending on gearing required)

- Large 5 digit 9.5mm (0.39in) readout.
- Top or front viewing models available.
- Reset to zero and non reset models available.

### Typical Applications

- \*Length measurement from measuring wheel
- \*Positioning
- \*Coil Winding
- \*Length measurement from rollers

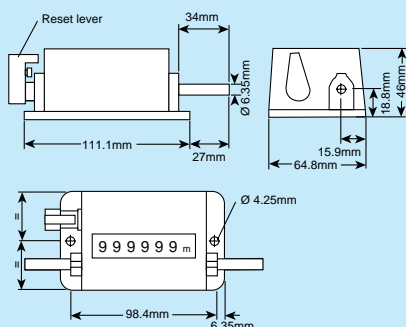


Length Measuring

### Dimensions

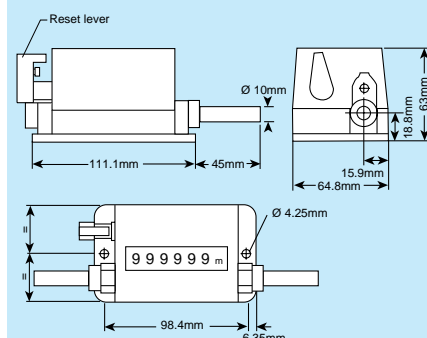
#### 3001/3002

46mm (1.82in)H 111mm (4.37in)W 65mm (2.55in)D



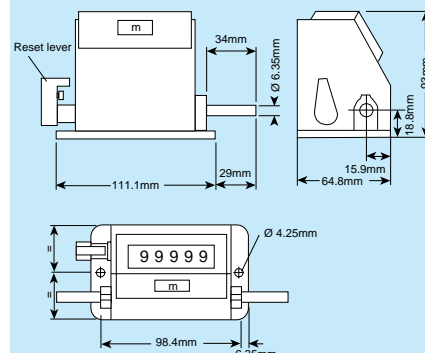
#### 3003/3004

63.5mm (2.5in)H 111mm (4.37in)W 65mm (2.55in)D



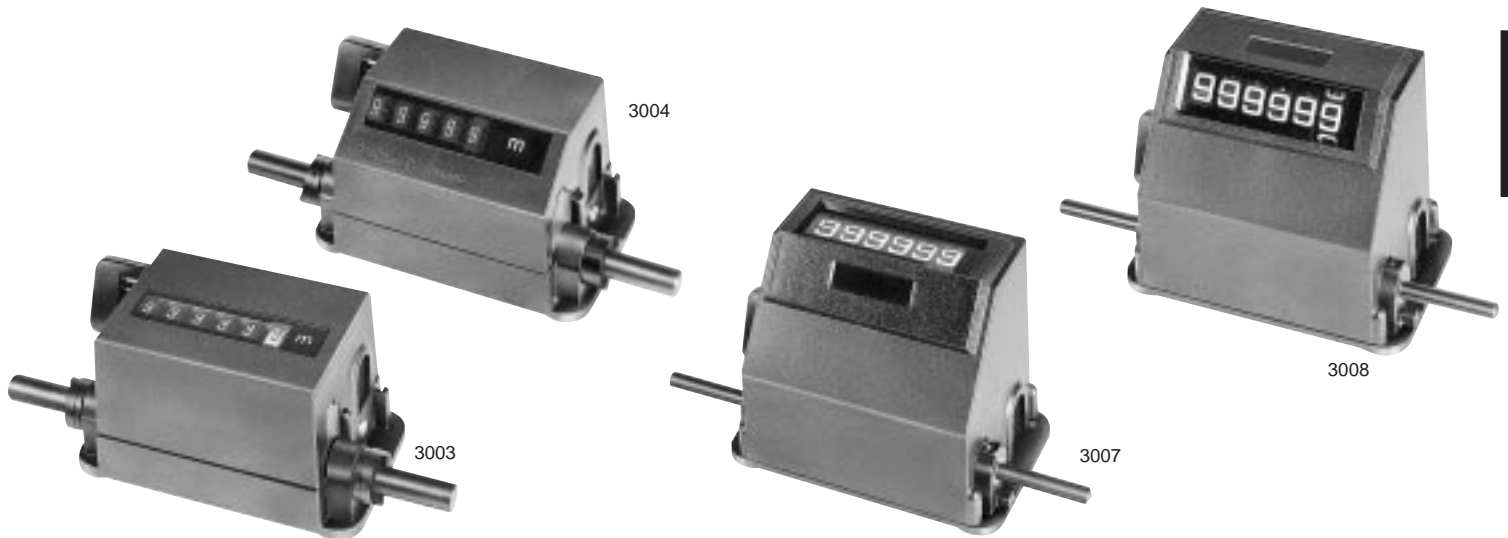
#### 3007/3008

93mm (3.65in)H 111mm (4.37in)W 65mm (2.55in)D

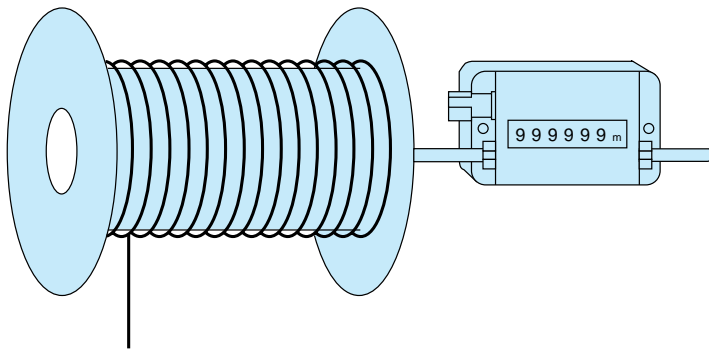


# Mechanical Totalising Counters

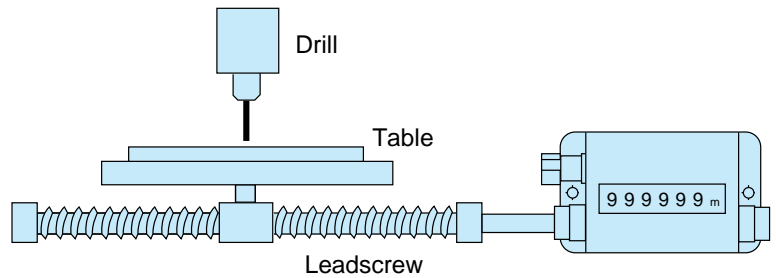
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Coil Winding



Positioning



## Specification

### Display

White on black, decimals black on white (3001,3002,3003,3004) 6.4mm (0.25in) high figures. White on black, decimals white on red (3007,3008) 9.5mm (0.37in) high figures

### Mounting Base Material

Aluminium alloy

### Cover Material

Black ABS plastic

### Drive Shaft Diameter

6.35mm (0.25in) (3001,3002,3007,3008)  
10mm (0.394in) (3003,3004)

### Gearing

1:1, 1:10, 2:1, 3:1, 4:1 as standard. Others on application

### Bearings

Bronze, oil impregnated for life

### Operating Torque

180g.cm (2.5oz.in) at 1:1 gearing

### Maximum Shaft Speed

3000RPM

### Maximum Count Speed

3000CPM

### Operating Temp.

-10°C to +60°C

### Storage Temp.

-20°C to +70°C

### Environmental Protection

IP40

### Nett Weight

300g (3001,3002), 400g (3007,3008), 550g (3003,3004)

### Packed Weight

350g (3001,3002), 450g (3007,3008), 600g (3003,3004)

### Packed Dimensions

19 x 13 x 9cm (3001,3002), 19 x 13 x 11cm (3003,3004,3007,3008)

## Ordering Information

Order by type number enclosing a completed photocopy of the questionnaire at the back of this catalogue to supply the necessary additional information

3x01 Revolution Counter - Top Viewing

3x02 Revolution Counter - Front Viewing

3003 Heavy Duty Revolution Counter - Top Viewing

3004 Heavy Duty Revolution Counter - Front Viewing

3x07 Revolution Large Figure Counter - Top Viewing

3x08 Revolution Large Figure Counter - Front Viewing

where, for four of the models listed, x denotes the drive type as follows:

0:Standard

4:Standard bottom drive (1:1 only, maximum 5 digit readout, 3401, 3402 only)

5:Bottom drive with non-standard gearing (3501, 3502, 3507, 3508 only)

Example: A 3401 is a top viewing revolution counter with standard bottom drive

A mechanical declutch may be fitted and is operated by an extra lever on the counter. Please refer to factory Aluminium alloy covers are available for 3001, 3002, 3003 and 3004 to special order