DESCRIPTION A range of ammeters and voltmeters with tough moving magnet or polarised moving iron movements designed for low cost indication of d.c. or rectified a.c.

### F3PAM

**Application:** Suppressed zero battery condition indicators designed to monitor the state of lead acid batteries.

**Standard Range:**
- 12V (yellow zone 10.5 to 12.5V)
- 24V (yellow zone 21.0 to 25.0V)
- 36V (yellow zone 31.5 to 38.0V)
- 48V (yellow zone 42.0 to 50.5V)

**Calibration accuracy:** ±8% of range  
**Movement:** Polarised moving iron  
**Temperature range:** -20°C to +40°C  
**Terminations:** 6.3 or 4.7mm faston tags  
**Fixing:** Snap into panel  
**Options:** High intensity LED indicating system on. Black or white dial

### F3DM

**Application:** Ammeters normally used to indicate charge or discharge currents on vehicle battery charging systems.

**Standard Range:**
- 0/5A, 0/8A, 0/10A, 0/12A, 0/15A, 0/20A, 0/30A, 0/40A, 0/50A, 0/60A, 0/75A
- 8/0/8A, 12/0/12A, 30/0/30A, 50/0/50A, 60/0/60A

**Calibration accuracy:** ±8% of f.s.d.  
**Movement:** Polarised moving iron  
**Temperature range:** -20°C to +40°C  
**Terminations:** 2BA up to 20A  
1/4 BSF above 20A  
**Fixing:** U clip  
**Options:** Illumination slots available. Black or white dial

### Dimensions (mm)

<table>
<thead>
<tr>
<th>Panel thickness X mm</th>
<th>Panel thickness X mm</th>
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</thead>
<tbody>
<tr>
<td>1.0 - 1.5</td>
<td>51.0</td>
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<tr>
<td>2.0 - 2.5</td>
<td>52.5</td>
</tr>
</tbody>
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F3VAM

Application: Ammeters normally used to indicate charge or discharge currents on vehicle battery charging systems. Illumination slots supplied as standard.

Standard Range: 8/0/8A, 12/0/12A, 30/0/30A

Calibration accuracy: ±8% of f.s.d.

Movement: Polarised moving iron

Temperature range: -20°C to +40°C

Terminations: 2BA or 4BA studs

Fixing: U clip (bezel mounting clips available upon request)

Options: Black or white dial

F3DM/CT

Application: This clip-on meter is designed to give a quick indication of current & direction of flow. There are no connections to be made, it simply clips over the conductor & operates on the induction principle.

Standard Range: 30/0/30A, 75/0/75A Supplied with white dial

Calibration accuracy: ±10% of f.s.d.

Movement: Moving magnet

Temperature range: -20°C to +40°C

Cable size: For best results use with cable sizes 5mm to 10mm diameter

SPECIAL DIALS

The products detailed in this publication are our standard range, but for large quantity orders, HOBUT engineers will be pleased to work with customers to design individual dials to their specifications.

Panel cutout

Our policy is one of continuous development and therefore specifications may change without notice.

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