

## Slim edgewise moving coil instruments

Application: Measurement of DC currents and DC voltages

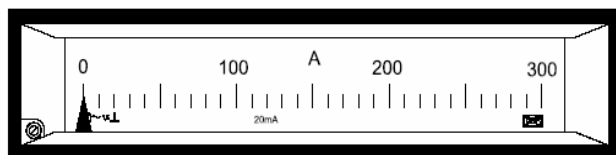
Scale: Linear

Scale lengths: DSM72/96/144: 52/70/95 mm

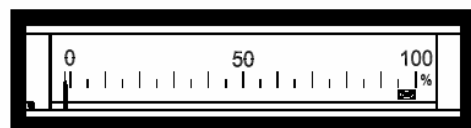
Accuracy: Class 1.5

Burdens: Voltmeters: 1mA,  $R_i$ : 1k $\Omega$ /V  
Ammeters: 60mV...0.5V

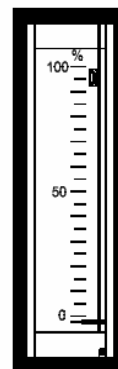
Housings: Plastic



DSM144



DSM96



DSM72

| Type   | Size (mm) | Measuring range - V <sup>1)</sup> | Measuring range - A <sup>1)</sup>      |
|--------|-----------|-----------------------------------|----------------------------------------|
| DSM72  | 72 x 24   | 60mV ... 600V cat. III            | 1mA ... 600mA <sup>2)</sup> , 4...20mA |
| DSM96  | 96 x 24   | 60mV ... 100V cat. III            | 1mA ... 600mA <sup>2)</sup> , 4...20mA |
| DSM144 | 144 x 36  | 60mV ... 300V cat. III            | 1mA ... 600mA <sup>2)</sup> , 4...20mA |

1) Standard measuring ranges: 1 - 1.2 - 1.5 - 2 - 2.5 - 3 - 4 - 5 - 6 - 8 and multiples of 10 thereof

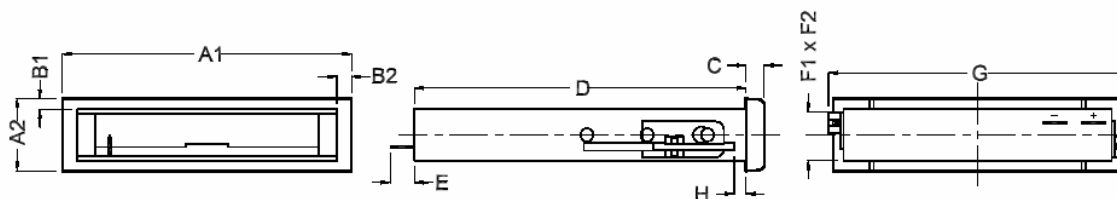
2) Higher measuring ranges: For use with separate standard shunt: 60mV or 150mV  
Supplied with shunt lead, 2 x 1 m – 1 mm<sup>2</sup> (0.035 $\Omega$ )

## Order specifications

| Type            | Scale type/Mounting <sup>1)</sup> | Measuring range | Scale    |
|-----------------|-----------------------------------|-----------------|----------|
| Example: DSM144 | Horizontal                        | 0...20mA DC     | 0...300A |

<sup>1)</sup> Horizontal or vertical scale.

## Slim edgewise instruments



All dimensions in mm

| Type   | A        | B       | C | D   | E | F1 x F2  | G   | H (max) | Panel cut-out        | Weight (approx.) |
|--------|----------|---------|---|-----|---|----------|-----|---------|----------------------|------------------|
| DSM72  | 72 x 24  | 3.5 x 5 | 6 | 90  | 8 | 17 x 65  | 75  | 40      | 68 + .7 x 22.2 +0.3  | 0.080 kg         |
| DSM96  | 96 x 24  | 3.5 x 5 | 6 | 110 | 8 | 17 x 89  | 99  | 40      | 92 +0.8 x 22.2 +0.3  | 0.100 kg         |
| DSM144 | 144 x 36 | 4 x 6.5 | 7 | 164 | 9 | 32 x 137 | 147 | 40      | 138 +1.0 x 33.0 +0.6 | 0.240 kg         |