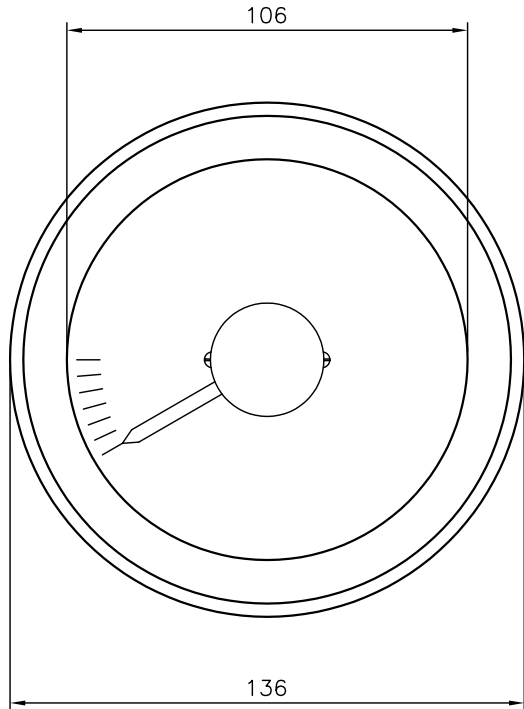
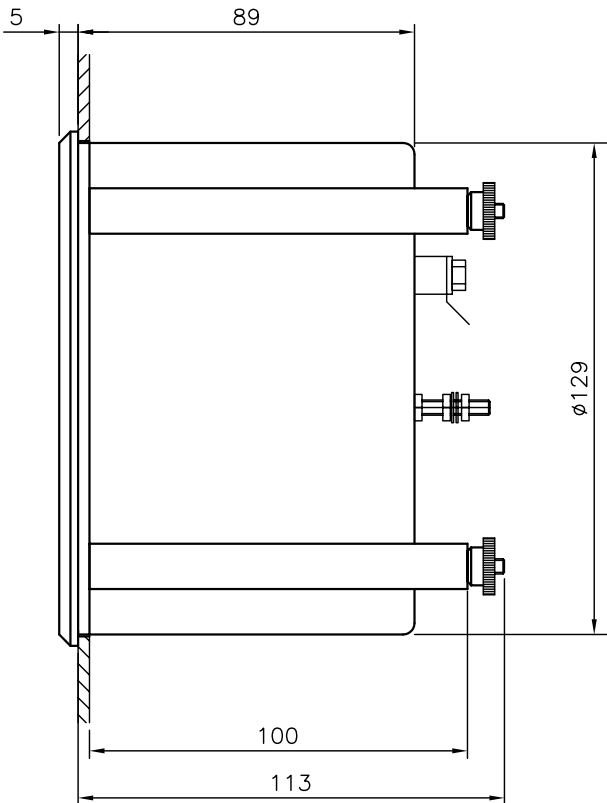


|                                                                                     |  |                                                                                     |                                |                                                                                     |
|-------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|
| Datasheet                                                                           |  | Product <b>D3a136-B</b>                                                             |                                |  |
| Po Box 7023, 3502 KA Urecht Holland<br>Tel: +31(0)30-2881311, Fax: +31(0)30-2898816 |  | Brand Name: MORS-SMITT<br>Country of origin: HOLLAND                                |                                |                                                                                     |
| Description: Round panelmeter for railway applications, single pointer              |  |                                                                                     |                                |                                                                                     |
| Dimensions:                                                                         |  |                                                                                     |                                |                                                                                     |
|   |  |  |                                |                                                                                     |
| General specifications                                                              |  |                                                                                     | International standards        |                                                                                     |
| Accuracy : 1.5% F.S.D.<br>additional 0.75%/10°C                                     |  |                                                                                     | IEC 571                        |                                                                                     |
| Operating temp. : -25°C ... +70°C                                                   |  |                                                                                     | EN 60051                       |                                                                                     |
| Humidity : at 40°C max. 95%                                                         |  |                                                                                     | EN 50155                       |                                                                                     |
| Protection : front IP54                                                             |  |                                                                                     | EN 50121                       |                                                                                     |
| : rear IP50 (terminals IP00)                                                        |  |                                                                                     | EN 61373                       |                                                                                     |
| Vibrations : 5...150 Hz, 2g random 3 x 5 h acc. EN 61373 (50155)                    |  |                                                                                     | Movement signal                |                                                                                     |
| Shock : acc. EN 61373                                                               |  |                                                                                     | 0...20 mA                      |                                                                                     |
| Test voltage : 2kV                                                                  |  |                                                                                     | 4...20 mA                      |                                                                                     |
| Illumination : LEDS, Any voltage between 24 and 110 V AC or DC                      |  |                                                                                     | 0...2,5 mA                     |                                                                                     |
| Scale and pointer : Black scale, white pointer and figures                          |  |                                                                                     | 0...10 V                       |                                                                                     |
| Terminals : Movement: M5, illumination: faston 6,3x0,8                              |  |                                                                                     | other inputs on request        |                                                                                     |
| : Signal Led's: screw terminals                                                     |  |                                                                                     | zero left or middle            |                                                                                     |
| : km counter : screw terminals                                                      |  |                                                                                     |                                |                                                                                     |
| Glass : low-reflection                                                              |  |                                                                                     |                                |                                                                                     |
| Panel-mounting : with two brackets, panelcutout ø130+1                              |  |                                                                                     |                                |                                                                                     |
| Options                                                                             |  |                                                                                     | Codes                          |                                                                                     |
| White scale with black pointer and printing                                         |  |                                                                                     | xL : Signal Led's (on request) |                                                                                     |
| Pointers yellow, white or red                                                       |  |                                                                                     | x = number of Led's            |                                                                                     |
| Brand label on scale                                                                |  |                                                                                     | W : White scale                |                                                                                     |
| Red-line marking(s) on the scale                                                    |  |                                                                                     | T : km-counter                 |                                                                                     |
| Coloured band(s) on the scale                                                       |  |                                                                                     | H : reduced size 89 to 61      |                                                                                     |
| Built in km-counter (not resetable)                                                 |  |                                                                                     |                                |                                                                                     |
| Reduced size from 89 mm to 61 mm (on request)                                       |  |                                                                                     |                                |                                                                                     |