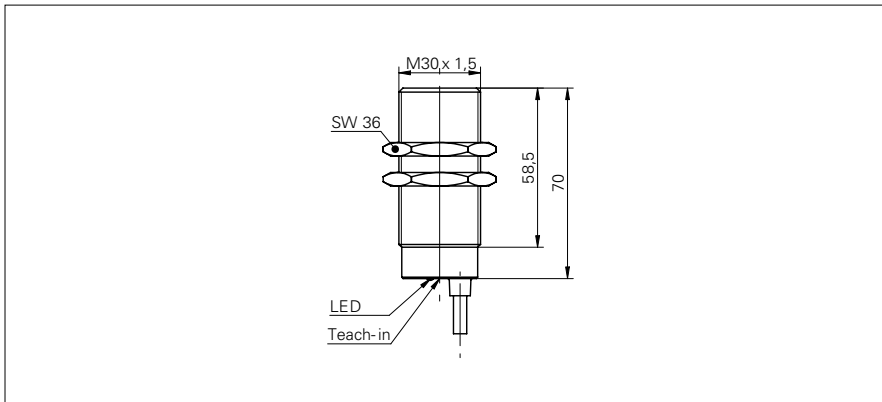


# Ultrasonic distance measuring sensors

## UNAM 30U6103

**dimension drawing**



**general data**

|                                |                                |
|--------------------------------|--------------------------------|
| scanning range Sd              | 100 ... 1000 mm                |
| scanning range close limit Sdc | 100 ... 1000 mm                |
| scanning range far limit Sde   | 100 ... 1000 mm                |
| version                        | standard                       |
| repeat accuracy                | < 0,5 mm                       |
| resolution                     | < 0,3 mm                       |
| response time ton              | < 80 ms                        |
| release time toff              | < 80 ms                        |
| temperature drift              | < 2 % of distance to target So |
| sonic frequency                | 240 kHz                        |
| adjustment                     | Teach-in                       |
| alignment aid                  | target indication flashing     |
| light indicator                | yellow LED / red LED           |

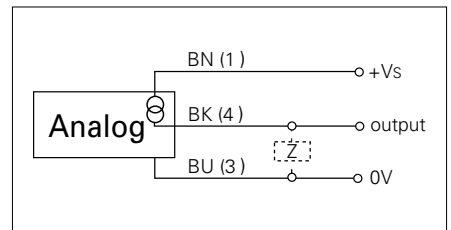
**photo**



**electrical data**

|                                    |                         |
|------------------------------------|-------------------------|
| voltage supply range +Vs           | 15 ... 30 VDC           |
| current consumption max. (no load) | 35 mA                   |
| output circuit                     | voltage output          |
| output signal                      | 0 ... 10 V / 10 ... 0 V |
| output current                     | < 20 mA                 |
| residual ripple                    | < 10 % Vs               |
| short circuit protection           | yes                     |
| reverse polarity protection        | yes                     |

**connection diagram**



**mechanical data**

|                  |                      |
|------------------|----------------------|
| type             | cylindrical threaded |
| housing material | brass nickel plated  |
| width / diameter | 30 mm                |
| height / length  | 70 mm                |
| connection types | cable, 2 m           |

**ambient conditions**

|                       |                |
|-----------------------|----------------|
| operating temperature | -10 ... +60 °C |
| protection class      | IP 67          |



- Analog voltage output 0 - 10 V

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typical sonic cone profile

