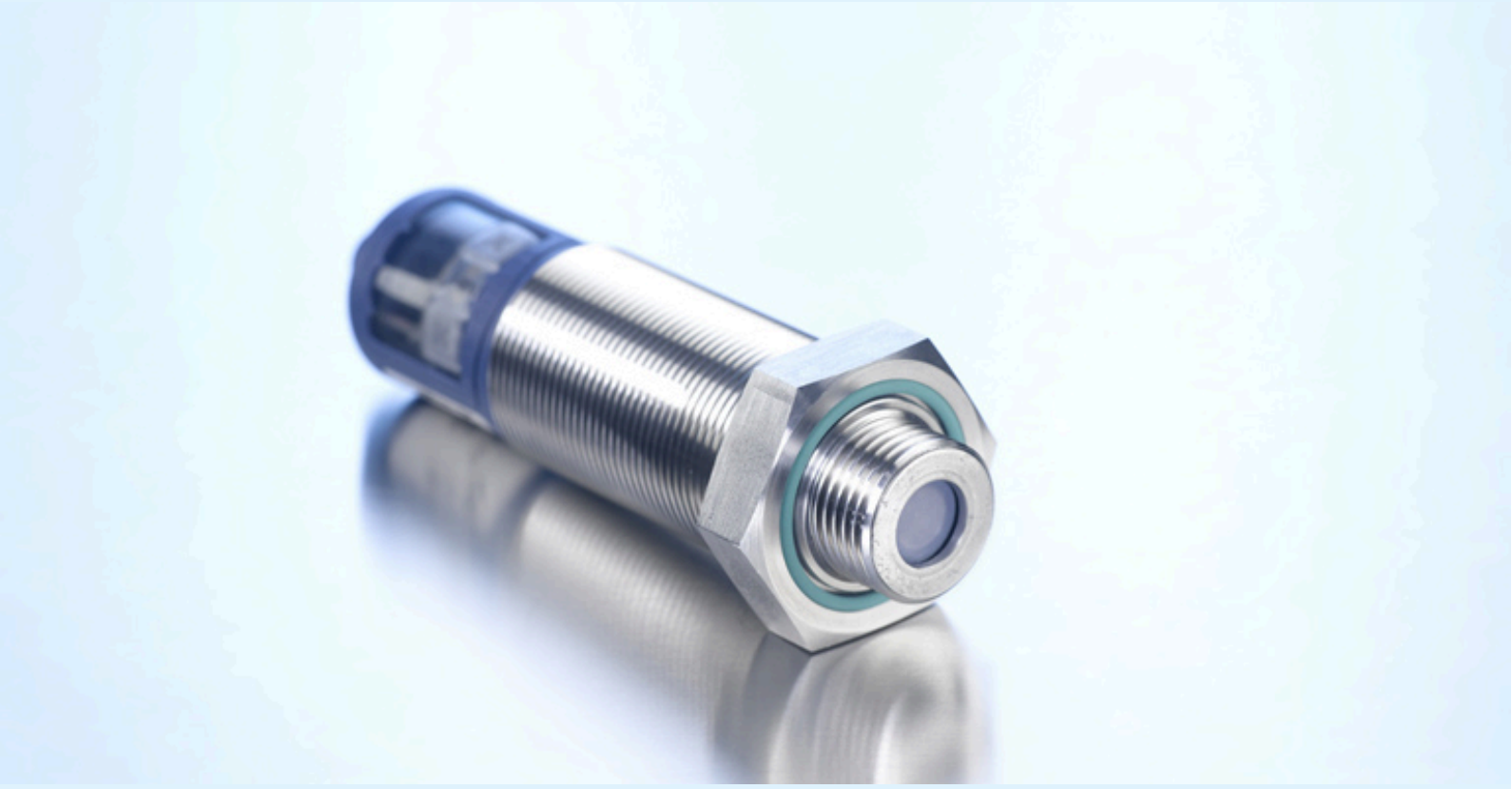
microsonic



extract from our online catalogue:

# *hps-25/TF/DIU/TC/E/ G1_2*

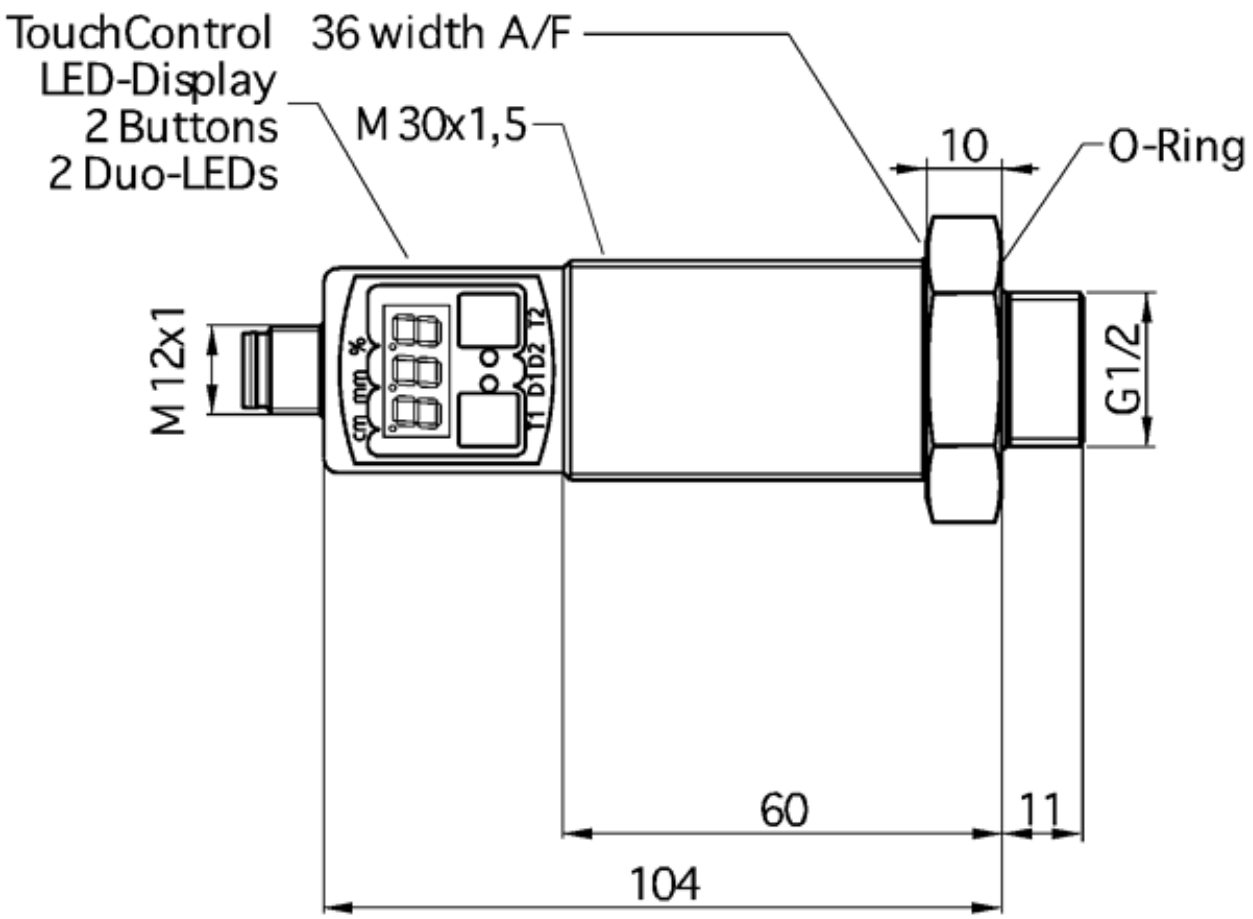
current to: 2026-11-04

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Archivsensor

# hps-25/TF/DIU/TC/E/ G1_2

## scale drawing




| Successor model available | hps+25/DIU/TC/E/G1 |
|---|---|

1 x pnp + 1 x analogue 4-20 mA / 0-10 V

| | |
|---|---|
| design | cylindrical M30 |
| operating mode | proximity switch/reflective mode<br>reflective barrier<br>window mode<br>analogue distance measurement |
| particularities | pressure-resistant<br>high chemical resistance<br>stainless steel version<br>display<br>process connection G1/2 |

## Ultrasonic-Specific

| | |
|---|---|
| means of measurement | echo propagation time measurement |
| transducer frequency | 320 kHz |
| blind zone | 30 mm |
| operating range | 600 mm (ab 1 bar Überdruck) |
| max. range | 700 mm |
| resolution | 0.025 mm |
| reproducibility | ± 0.15 % |
| accuracy | ± 1 % (temperature drift internally compensated) |

## Electrical Data

| | |
|---|---|
| operating voltage $U_B$ | 9 - 30 V d.c., reverse polarity protection |
| voltage ripple | ± 10 % |
| no-load current consumption | ≤ 80 mA |
| type of connection | 5-pin M12 initiator plug |

## Outputs

| | |
|---|---|
| output 1 | analogue output<br>current: 4-20 mA / voltage: 0-10 V, short-circuit-proof<br>switchable rising/falling |
| Ausgang 2 | switching output<br>pnp: $I_{max}$ = 200 mA ($U_B$-2V)<br>NOC/NCC adjustable, short-circuit-proof |
| switching hysteresis | 3 mm |
| switching frequency | 3 Hz |
| response delay | 180 ms |
| delay prior to availability | < 300 ms |

## Inputs

| | |
|---|---|
| input 1 | com input<br>synchronisation input |

## Housing

| | |
|---|---|
| material | stainless steel, plastic parts: PBT, TPU |
| ultrasonic transducer | coated with PTFE film |
| class of protection to EN 60529 | IP 67 |
| operating temperature | -25°C to +70°C |
| storage temperature | -40°C to +85°C |
| weight | 180 g |

## Technical Features/Characteristics

| | |
|---|---|
| temperature compensation | yes |
| controls | 2 push-buttons + LED display (TouchControl) |
| scope for settings | Teach-in and numeric configuration via TouchControl<br>LCA-2 with LinkControl |
| synchronization | yes |
| multiplex | yes |
| indicators | 3-digit LED display, 2 x three-colour LED |

## Accessories

| | |
|---|---|
| deployable accessory | KST5A-2/M12<br>KST5A-5/M12<br>KST5G-2/M12<br>KST5G-5/M12 |

## pin assignment

