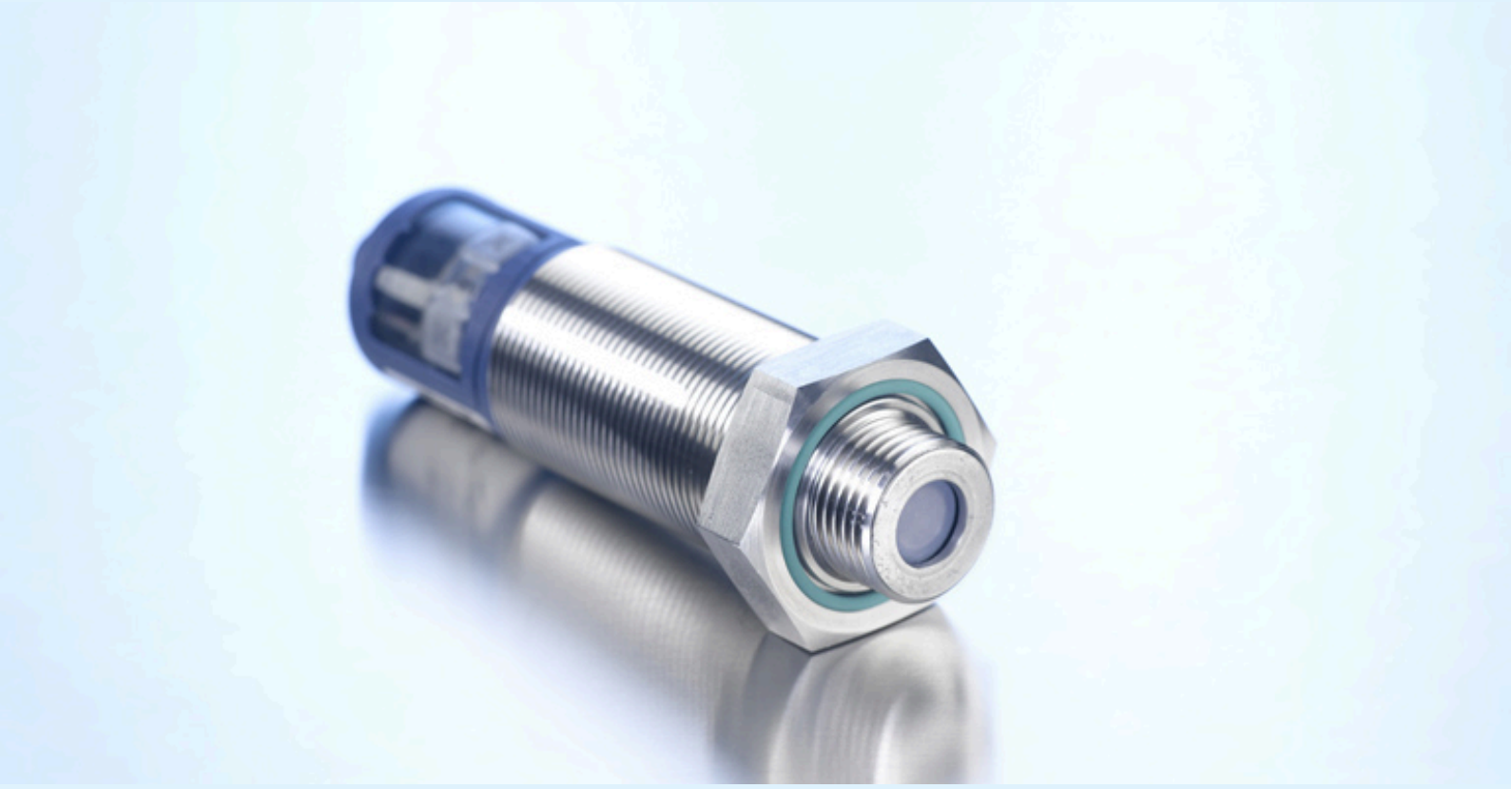
microsonic



extract from our online catalogue:

hps-25/TF/DIU/TC/E/ NPT

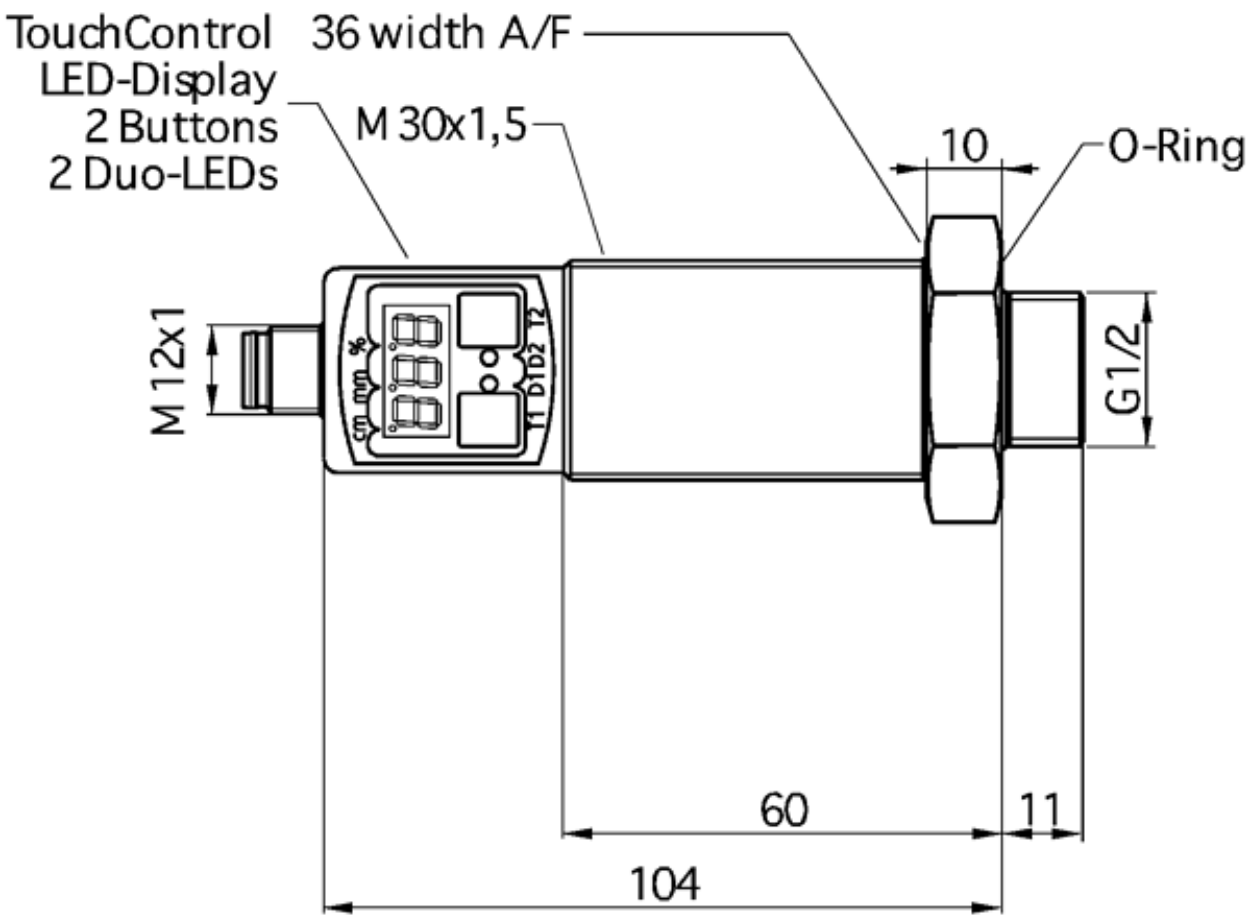
current to: 2026-11-19

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Archivsensor

hps-25/TF/DIU/TC/E/ NPT

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
particularities	pressure-resistant high chemical resistance stainless steel version display process connection 1/2" NPT

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 current: 4-20 mA / voltage: 0-10 V, short-circuit-proof switchable rising/falling
Ausgang 2	switching output pnp: I_{max} = 200 mA (U_B-2V) 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 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 LCA-2 with LinkControl
synchronization	yes
multiplex	yes
indicators	3-digit LED display, 2 x three-colour LED

Accessories

deployable accessory	KST5G-2/M12 KST5G-5/M12 KST5A-2/M12 KST5A-5/M12

pin assignment

