



The **high performing probes of the SONOSCAN CF series** have been designed for couplant-free material testing with the inspection system SONOAIR. The extremely rugged and maintenance free probes in stainless steel housing we offer in frequencies from 50 to 400 kHz. In addition to these standard specifications customized probes with the following features can be realized as well:

- ▶ Outstanding acoustic characteristics
- ▶ Your technical requirements
- ▶ Reasonable price performance ratio

Overview air-coupled ultrasonic probes SONOSCAN CF

Designation	CF 050	CF 075	CF 125	CF 200	CF 300	CF 400
Order number	700 01 0265	700 01 0266	700 01 0267	700 01 0268	700 01 0269	700 01 0270
Frequency	50 kHz ± 4 %	75 kHz ± 4 %	125 kHz ± 4 %	200 kHz ± 4 %	300 kHz ± 4 %	400 kHz ± 4 %
Near field length	73 mm	50 mm	32 mm	18 mm	12 mm	50 mm
Sound beam Ø (-6 dB)	13 mm	8 mm	5 mm	3 mm	2 mm	4 mm
Wavelength in air	6.8 mm	4.5 mm	2.8 mm	1.7 mm	1.1 mm	0.8 mm
Max. voltage (2 % duty cycle tone burst)	1500 Vpp	1000 Vpp	800 Vpp	500 Vpp	400 Vpp	400 Vpp
Sensitivity (transfer ratio in air)	-34 dB	-34 dB	-32 dB	-35 dB	-52 dB	-31 dB
Working temperature	-40 °C to 90 °C	-40 °C to 90 °C	-40°C to 90°C	-40 °C to 90 °C	-40 °C to 90 °C	-20 °C to 60 °C
Dimensions	Ø 62 mm x 77 mm	Ø 42 mm x 64 mm	Ø 28 mm x 51 mm	Ø 19 mm x 43 mm	Ø 19 mm x 38 mm	Ø 28 mm x 51 mm
Weight	465 g	195 g	95 g	39 g	38 g	90 g

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