

# Krautkrämer CL Go+

## Technical Specifications

Display screen	
Active size (W × H)	108.0 × 64.8 mm, diagonal 5 inches
Resolution (W × H)	800 × 480 pixels
Contrast ratio	≥300
Brightness	≥200 cd/m <sup>2</sup>
Range (display width)	max. 14 m (551 inches) in steel, in normal mode, depending on the probe, material, and surface
Display shift (display delay)	0 ... 3,500 μs
Probe delay	0 ... 1,000 μs
Velocity	250 ... 16,000 m/s
Resolution of readings	0.001, 0.01 or 0.1 mm (0.0001, 0.001 or 0.01 in), selectable over the entire measuring range
Display modes	Thickness, Velocity, Quality, A-scan, B-scan, MIN/MAX, Difference, Data Recorder
Connectors	
Probe connectors	2 × LEMO-00, mechanical reverse polarity protection inches
USB interface	Micro USB connector
Service interface	1 × Mini-RS232C, only used for service purposes
Pulser	
Pulser mode	Square-wave pulser
Pulser voltage	Automatically matched to the probe (120 V or 250 V)
Pulser falling/rising time	Max. 10 ns
Pulser width	Automatically matched to the probe
Receiver	
Digital gain	110 dB dynamic range, automatic gain control with manual (set by user) High, Low, and Auto gain limit Square-wave pulser

Memory	
Card slot	SD card slot for standard SD cards
Capacity	32 GB, SD card
Datasets	100,000 measurements per file. Several files can be saved to the SD card
Environment	
Battery	Operating time: 6 hours with full charge Charging method (standard): internal with charger/power adapter Charging method (optional): external charger Charge level: proportional charge level indicator
Charger/power adapter	Universal power supply unit 100 ... 240 VAC, 50/60 Hz, meets the requirements of CCC, CE, UL, CSA, and PSE
Size (W × H × D)	175 × 111 × 50 mm
Weight	850 g incl. battery
Protection	
Damp heat and humidity (storage)	10 cycles: 10 hrs at +60 ... +30 °C, 10 hrs at +30 ... +60 °C, transition within 2 hrs (507.4)
Temperature shock (storage)	3 cycles: 4 hrs at -20 ... +60 °C, 4 hrs at +60 °C, transition within 5 minutes (503.4, Procedure II)
Vibration	General exposure: 1 hr per axis, 514.5-5 Procedure I, Annex C, Figure 6
Shocks	6 cycles per axis, 15 g, 11 ms, half-sine (516.5 Procedure I)
Damp heat and humidity (storage)	10 cycles: 10 hrs at +60 ... +30 °C, 10 hrs at +30 ... +60 °C, transition within 2 hrs (507.4)
Loose cargo (in shipping containers)	514.5 Procedure II
Transit drop (packaged for shipment)	26 drops, 516.5 Procedure IV
Enclosure	IP67 according to IEC 529
Operating temperature range	0 ... 55 °C
Storage temperature range	-20 ... +60 °C, 24 hrs including battery
Compliance	EMC/EMI: EN 55011, EN 61000-6-2:2001 Ultrasound: ASTM E1324, E317, ANSI/NCSS Z 540-1-1994, MIL STD 45662A, MIL STD 2154

## Probes and accessories

Model	Part number	Type	Nominal frequency	Measuring range*	Cables	Delay lines
CA 211A	113-544-000	Standard contact	5 MHz	1.52 to 508 mm (0.060 to 20.0")	022-505-604	NA
Alpha 2 DFR	113-527-660	Standard delay line	15 MHz	0.18 to 25.4 mm (0.007 to 1.0")	022-505-604	118-440-050 118-440-051
Alpha 2F	113-526-000	Fingertip contact	10 MHz	1.52 to 254 mm (0.060 to 10.0")	022-505-604	NA
CLF 4	113-527-665	Standard delay line	15 MHz	0.18 to 25.4 mm (0.007 to 1.0")	022-505-604	118-440-050 118-440-051
CLF 5	113-526-005	Fingertip contact	10 MHz	1.52 to 254 mm (0.060 to 10.0")	022-505-604	NA

\* in Mild Steel unless noted otherwise