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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

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- In stock / Ready-to-ship
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- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *AGFA / Krautkramer Branson CL304* at our website: *Click HERE*

CL304 Benchtop Precision Thickness Gauge

CL304 Features Include:

- Compatible with 5 standard contact and delay transducers
- Easy-to-read backlighted display
- Auto-ranging thickness resolution
- Display thickness and velocity in inches or metric
- Powered by AC or 4 Standard "D" Cell Alkaline/NiCAD Batteries
- Storage of 7 Special Menu Setups
- RF Output and System Timing Connectors
- Time of flight measurement
- Differential measuring mode
- HI/LO Tolerance limits with alarms
- Selectable thickness resolution

The CL304 precision ultrasonic thickness gauge operates from battery or AC power for portable or benchtop use. It offers fast, accurate thickness measurements without cutting, disassembling or destroying your parts. Test most metals, plastics, glass and ceramic materials while shortening inspection time and reducing cost.

The CL304 offers several advanced features such as the special menu setups. Special menus allow the use of non-standard transducers (e.g., bubbler or immersion) that require customized settings to optimize instrument performance. From the instruments keypad, the operator can adjust 12 parameters including gain, various delays, PRF and signal phase. An oscilloscope can be connected to the instruments rear panel RF connector and system timing connector to assist in setup and to verify the accuracy of the measurement. The special setup can be store in 1 of the instruments 7 nonvolatile memory banks.

It can be inserted into the instruments rear panel expansion port without any instrument modification.
The DI-304 Interface module provides RS232C and SPC data output. Thickness readings, velocity or time of flight information can be transferred to a PC or printer. Thickness readings can also be sent to Mitutoyo DP Series data processors.

Base Instrument Package:

CL304 Digital Ultrasonic Thickness Gauge
Four 1.2 V "D" Cell NiCAD batteries
Battery Charger/Eliminator
XL Couplant, 8 oz.
Operating Manual
Certificate of Conformity

Accessories:

C-012
Cable, microdot-BNC, 6.0 foot (1.83 m)
LCB304
Leather Instrument Case with Removable Accessory Pouch
DI304
Data Interface expansion module provides RS232C and SPC data output. Various optional interface cables are available.
ST-304B
System Timing Box - Connects to CL304's system timing output connector for viewing of internal blocking delays, timing windows and detected video.

CL304 Compatible Probe Specifications:

MODEL	TYPE	NOMINAL FREQUENCY	CONTACT AREA DIA.	MEASURING RANGE
Alpha-2 DFR	Delay Line	15 MHz	.30 in. (7.6mm)	.007 to 1.0 in. (in steel) .18 to 25mm
Alpha 2A MINI DFR	Delay Line	20 MHz	.19 in. (4.8mm)	.005 to .200 in. (in steel) .13 to 5mm
CA-211A	Contact	5 MHz	.75 in. (19.1mm)	.060 to 15.0 in. (in steel) 1.5 to 381mm
Alpha 2F	Contact	10 MHz	.38 in. (9.5mm)	.060 to 10.0 in. (in steel) 1.5 to 254mm
KBA 125	Plastic	22 MHz	.19 in. (4.8mm)	.010 min. (in plastic) .25mm

Specifications:

Operating Principle
Ultrasonic pulse/echo
Probe Zero Adjustment - Contact Mode
Push button; keyed to instrument probe zero block
Thickness Calibration - All Modes
One point, off block
Measuring Range
Delay: 0.005 to 1.000 inch in mild steel
0.13 to 25 mm
Contact: 0.060 to 15.00 inch in mild steel
1.5 to 381 mm
Plastic: 0.010 inch min. in plastic
0.25 mm
Resolution

Auto-ranging
.0001, .001, .01, .1 inch
.001, .01, .1 mm

Display Update Rate
5 Hz

Material Velocity Range
10,000 to 800,000 in/s
254 to 20,320 m/s

Display Type
4 digit, 0.5" (12.7 mm) high with electroluminescent backlight

Power Requirements
4 ea. "D" Cell NiCAD Batteries
Provide 8 hours of operating time with recharge time of 14 hours
4 ea. "D" Cell Alkaline Batteries
Provide 10 hours of operating time
AC operation provided by supplied battery charger/eliminator

Temperature Range
+14ºF to +122ºF
(-10ºC to +50ºC)

Dimensions (L x W x D)
11.5" x 7.25" x 3.0"
292 mm x 184 mm x 76 mm

Weight
4.5 lbs. (2.0 kg) including batteries

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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