

# WALL THICKNESS GAUGE CV-CG500™

Handheld gauge for wall and coating thickness testing of metals, glass and plastics

## Technical specifications

Measuring principle	Magneto-static
Measuring rate	Up to 20 readings per second
Number of readings memorized in the statistics	1, 2, 5, 10, 20 readings/sec to choice
Measuring range FH4 probe	0...1.5mm with 1.5mm reference ball 0...2.5mm with 2.5mm reference ball 0...4.0mm with 4.0mm reference ball
Measuring range FH10 probe	0...2.5mm with 2.5mm reference ball 0...4.0mm with 4.0mm reference ball 0...10.0mm with 6.0mm reference ball
Low range sensitivity	0.1µm
Measuring tolerance of FH4 probe	0...1.5mm : ±(5µm + 1 % of reading) 0...2.5mm : ±(5µm + 1 % of reading) 0...4.0mm : ±(10µm + 1 % of reading)
Measuring tolerance of FH 10 probe	0...2.5mm : ±(5µm + 1 % of reading) 0...4.0mm : ±(10µm + 1 % of reading) 0...10.0mm : ±(20µm + 1 % of reading)
Calibration modes	Zero, 2-point, 3-point, 4-point and 5-point calibration
Display	LCD 160x160 pixel with backlight
Measuring units	Metric (µm, mm), imperial (mils, inch)
Data memory	100,000 readings
Statistical evaluation	Numeric, trend and histogram
Languages	English, German, French
Interface	Cable, (RS232 TTL) and/or combination port for foot switch, external contact, Infrared (IrDA 1.1)
Operating temperature	-10°C ... +60°C
Storing temperature	-20°C ... +80°C
Dimensions and weight of gauge	153mm x 89mm x 32mm / 310 g (batteries incl.)
Dimensions and weight of FH4 probe	17mm ø x 96mm / 90 g
Dimensions and weight of FH10 probe	29,5mm ø x 125mm / 300 g
Dimensions of plastics carrying case	365mm x 450mm x 140mm
Power supply	4 x AA (LR06), power unit (90-240V~ / 48-62Hz)

- \*1. Set of standards for 5 points calibration/FH-4 probe and ball diameter 4 mm.  
1 Precision standard in approx. 0.43mm, 0.75mm, 1.3mm, 2.2mm and 3.6mm.
- \*2. Set of standards for 5 points calibration/FH-10 probe and ball diameter 6 mm.  
1 Precision standard in approx. 1.0mm, 1.7mm, 3.0mm, 5.2mm and 9.0mm.

## Standard delivery

- CV-CG500
- Batteries AA LR06(4 pcs)
- Instruction manual available in German/English/French
- Short manual
- Carrying case
- Magnetic screwdriver

## Optional accessories for CV-CG500

- Portable printer CV-CG550
- Probe FH4 including operating stand
- Probe FH10 including operating stand
- Rubber protection case

## Optional accessories for probe FH4<sup>\*1</sup>

- Calibration cap: 0.3mm, 1mm, 3mm
- 3 zero calibration standards: ø1.5mm, ø2.5mm, ø4mm
- Set of 100 balls ø1.5mm
- Set of 100 balls ø2.5mm
- Set of 50 balls ø4mm

## Optional accessories for probe FH10<sup>\*2</sup>

- Calibration cap: 1mm, 3mm, 8mm
- 4 zero calibration standards: ø2.5mm, ø4mm, ø6mm, ø9mm
- Set of 100 balls ø2.5mm
- Set of 50 balls ø4mm
- Set of 25 balls ø6mm
- Set of 10 balls ø9mm