



# MAGNETIC COMPENSATION ANALYTICAL BALANCES CRYSTAL SERIES

## Functions

- LCD display with small decimal digits
- Membrane keyboard, water proof and solvent resistant, easy to use with TARE, ON/OFF, PRINT and MODE keys
- Indication of the reached stable weight
- Bar-graph indicator of dosage and remaining capacity of the balance
- Parameters configurable by menu: reading in g (grams), lb(pound), oz (ounce), ct (carats), pcs (pieces), % (percentage)
- Full scale automatic calibration with internal and/or external mass
- Weighing underneath the balance
- Selectable response time "fast/slow" (see table)

## Technical specifications

- Data output: RS232 I/O adjustable
- Operating temperature:  
10° ÷ 35°C optimum 18° ÷ 28°C  
15° ÷ 25°C for models with CE mark (Legal metrology)
- Power supply: 100 ÷ 240 VAC
- Power consumption: 200 mA

## On request

- CE version (legal metrology) according to Directive 2009/23 EC (only for "CAL" models)
- Liquids and solids density measuring devices
- Remote command to activate various signals: print, tare,...
- Executions with special capacity



## Physical specifications

- Dimensions  
216 mm x 380 mm x 335 mm ( W x D x H)
- Weighing chamber dim.  
180 mm x 150 mm x 200 mm (W x D x H)  
(except for mod. CRY 500 CE/C that has a glass cylinder)
- Net weight 7 kg

MODEL	CAPACITY	READABILITY MG	LINEARITY MG	REPEATABILITY MG	RESPONS	PAN MM	CALIBRATION
Crystal 100 SMI	110	0,1	+/- 0,2	+/- 0,05	6/10 sec.	diam. 80	External
Crystal 100 CAL	110	0,1	+/- 0,2	+/- 0,05	6/10 sec.	diam. 80	Internal
Crystal 200 SMI	210	0,1	+/- 0,2	+/- 0,05	6/10 sec.	diam. 80	External
Crystal 200 CAL	210	0,1	+/- 0,2	+/- 0,05	6/10 sec.	diam. 80	Internal
Crystal 300 CAL	310	0,1	+/- 0,2	+/- 0,05	6/10 sec.	diam. 80	Internal
Crystal 500 CAL	510	1	+/- 2	+/- 1	5/8 sec.	diam. 110	Internal
Crystal 500 CE/C	510	1	+/- 2	+/- 1	5/8 sec.	diam. 110	Internal
Crystal 1000	1010	1	+/- 2	+/- 2	2/4 sec.	diam. 110	External