

## Magnetic compensation analytical balances

### 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)



### Technical specifications

- Full scale automatic calibration with internal and/or external mass
- Weighing underneath the balance
- Selectable response time: "fast/slow" (see table)
- 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

| Model           | Capacity g | Readability mg | Linearity mg | Repeatability mg | Response  | 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 1000    | 1010       | 1              | +/- 2        | +/- 2            | 2/4 sec   | diam. 110 | External    |

### 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)

#### Net weight

7 kg

### On request

- CE version (legal metrology) according to Directive 90/384 EEC (not available for CRYSTAL 1000 model)
- Liquids and solids density measuring devices
- Remote command to activate various signals: print, tare
- Executions with special capacity