



A Scale



B Scale



C Scale

PROGRAM	SCALE		CODE
8 + 4 PRODUCTS	A + B	20 formulas / 2 scales	DOS2005/2
8 + 4 + 4 PRODCUTS	A + B + C	20 formulas / 3 scales	DOS2005/3

DESCRIPTION

- DOS2005 has been designed to control 2 or 3 scales simultaneously with 1 litre-counter (max 20 Hz).
- The **A** scale manages up to 8 products, while the **B** and **C** scales manage up to 4 products each.
- An important characteristic is that batching can be started from a weighing scale even if the other scales have not finished the batching cycle (max 1 cycle of displacement).

A scale: up to 8 products

- DOS2005 main unit in DIN box suitable for panel mounting.
- Dimensions: 144x96x80 mm (drilling template: 137x91 mm).
- 5-digit semi-alphanumeric red LED display (20 mm height).
- 18 signalling LED.
- 8-key keyboard.
- IP64 front panel protection rating.
- Clock/calendar.
- 6 relay outputs.
- 5 digital inputs.
- 3 load cell dedicated inputs.

B - C scales: up to 4 products for each scale

- RIPE model instruments in DIN box suitable for panel mounting.
- Dimensions: 96x96x80 mm (drilling template: 91x91 mm).
- 4-digit semi-alphanumeric red LED display (20 mm height) (after exceeding the value 9999 the display shows the value with movable point; for example 11.50 means 11500).
- 3-key keyboard.
- IP64 front panel protection rating.
- 4 relay outputs.
- 5 digital inputs.

External 6-relay module

- Omega/DIN rail mounting.
- Dimensions: 115x80x55 mm.

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MAIN FUNCTIONS

- Connections to:
 - 24 column printer via TTL serial;
 - up to 12 load cells in parallel by junction box.
- 20 settable formulas.
- Tare weight zero setting.
- Theoretical calibration (via keyboard) and real calibration (with sample weights).
- Reading the load cells value expressed in mV: load cells connections continuous check.
- Batching start via keyboard by setting formula and desired cycles (up to 9999).
- Batching start via external contact of the first 12 formulas.
- Autotare on first component for each scale.
- Precision batching through slow function.
- Precision batching through tapping function.
- Automatic fall calculation.
- Consumption storage.
- Print of batching data.
- The litre-counter quantity can be modified also during the batching phase.
- Batching resume after a blackout.
- Manual batching via keyboard.
- Digital filter to reduce the effects of weight oscillation.
- Password to protect the access to selected functions.
- Pause of the batching by the keyboard.

TECHNICAL FEATURES

Power supply and consumption	230 VAC $\pm$ 10%; 50/60 Hz; 15 VA
Number of load cells • Load cells supply	up to 12 (350 Ω) • 5 VDC/180 mA
Internal divisions	12000
Measurement range	$\pm$ 4 mV; + 16.5 mV
Display range	-3000 +60000
Display increments	x1 x2 x5 x10
Readings per second	6 reading/s
Relay outputs	n. 6, 6, 4 - 115 VAC 2 A
Digital inputs	n. 5
Humidity (condensate free)	90%
Storage temperature	-20 °C +70 °C
Working temperature	-10 °C +50 °C

OPTIONS ON REQUEST

	DESCRIPTION	CODE
	Selection of the first 12 formulas via external selector switch.	EC
	Selection of the first 12 formulas via external contact.	E
	Multiplies, via external selector switch, the products amount set in the formulas for a coefficient ranging from 0.5 to 6.	MC
	Multiplies, via 12 external contact, the products amount set in the formulas for a coefficient ranging from 0.5 to 6.	ME