



A Scale



B Scale



C Scale

PROGRAM	SCALE		CODE
* 31 PRODUCTS	A	50 formulas / 20 steps / 1 loading scale	WR31/50/1
* 26 PRODUCTS	A	50 formulas / 20 steps / 1 loading scale + 1 unload	WR26/50/1 + 1
* 27 PRODUCTS	A + B	50 formulas / 20 steps / 2 loading scales	WR27/50/2
* 22 PRODUCTS	A + B	50 formulas / 20 steps / 2 loading scales + 1 unload	WR22/50/2 + 1
* 23 PRODUCTS	A + B + C	50 formulas / 20 steps / 3 loading scales	WR23/50/3
24 PRODUCTS	A + B + C	50 formulas / 20 steps / 3 loading scales	WR24/50/3

* In addition to the automatically batched products, it is possible set up to 6 more manually batched products

DESCRIPTION

- The WRBIL system manages weighing in batching plants that require up to 3 scales in the same production line.
- It manages from 1 to 3 scales simultaneously, with management of 22 to 31 different products distributed between scales, plus 6 products for manual additions (false scales).
- The WR26/50/1+1 and WR22/50/2+1 versions are able to manage, in addition to the loading scales, even 1 unloading scale.
- It is possible to select two different operating modes:
 - the second batching cycle can be started even if the other scales are at first batching cycle (max 1 cycle of displacement).
 - the second batching cycle can be started only if the other scales have finished the first batching cycle.
- In case of damage to a transmitter it is possible to connect the load cells directly to the WR ("Emergency scale" function).

The system consists of:

- 1 WR main unit;
- From 1 to 3 weight indicators (**M** approved): W100, W200, WDOS, WDESK, WINOX (the number of indicators depends on the number of scales);
- From 3 to 4 external 8-relay modules: suitable for mounting on Omega/DIN rail, dimensions: 93x60x126 mm; 24 VDC 8 W power supply; 115 VAC 0.5 A external contacts.

For INPUTS/OUTPUTS AND COMMUNICATION, MAIN FUNCTIONS and other data refer to instrument data sheets: WR, W100, W200, WDOS, WDESK, WINOX.

CERTIFICATIONS



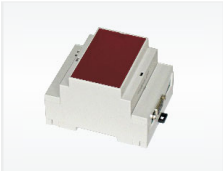
Equivalent of the CE marking for the United Kingdom

SIMULTANEOUSLY BATCHING SYSTEMS WITH SEVERAL SCALES

TECHNICAL FEATURES

Power supply and consumption	230 (115) VAC; 50/60 Hz; 25 VA
Number of load cells • Load cells supply	up to 8 (350 Ω) • 5 VDC/120 mA
Linearity	<0.01% full scale
Thermal drift	<0.0003% full scale/°C
A/D Converter	24 bit
Internal divisions	60000 (20% ÷ 100% full scale)
Measurement range	-7.5 mV +17.5 mV
Display range	-99999; +900000
Decimals • Display increments	0-4 • x1 x2 x5 x10 x20 x50 x100
Digital filter • Readings per second	0.2-25 Hz • 6, 12, 25, 50 reading/s
Relay outputs	n. 8 - 115 VAC/30 VDC 0.5 A
Optoisolated digital inputs	n. 8 - 12/24 VDC PNP
Serial ports	RS232, RS422, RS485
Baud rate	9600 (bit/s)
Humidity (condensate free)	85%
Storage temperature	-20°C +70°C
Working temperature	-10°C +50°C

OPTIONS ON REQUEST

	DESCRIZIONE	CODE
	Profibus converter, IP40, suitable for Omega/DIN rail mounting, allows to connect 1 or 2 Laumas instruments in Slave configuration to any security Profibus DP Master by means of the RS422/485 port. Dimensions: 71x58x90 mm.	
	1 instrument	MPROFIUNO
	2 instruments	MPROFIDUE