

# Weigh indicators / micro controllers

**For panel mounting**

## serie VPI-Ultra

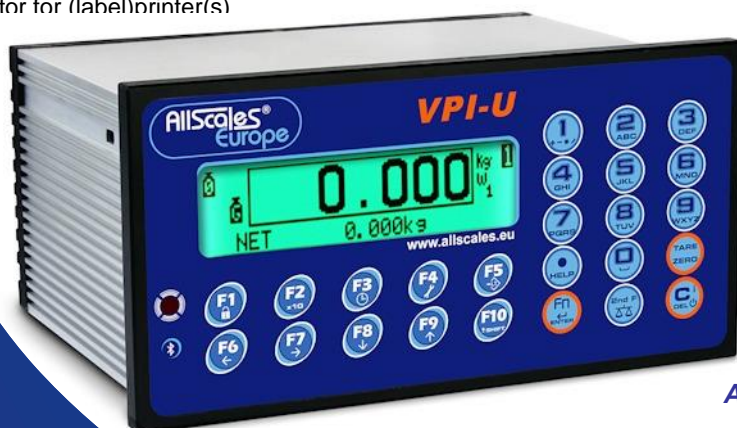
*Multifunctional micro controller / weighing indicator for application in industrial systems. Supplied with 2 serial outputs RS-232 / RS485; optional 16 bit analogue output.*

*Modbus RTU and Profibus are some of the features of this indicator, which, added to the range of available application software programmes, allow for its use in dosage, control, and weight verification applications, with direct management of the automation.*

*Particularly designed for industrial automation; the fitted 8 inputs and 16 outputs, the wide range of functioning modes, and the available serial commands, allow for a simple automation management within the weighing system (operations depending from application and firmware).*

### General main features

- easy to use 25-key waterproof keypad, IP65
- Programmable function keys, for customising the keyboard functions according to the needs
- alphanumeric backlit graphic display with clearly readable data like weight and automation status
- synoptic bar graph with 16 bright indication leds showing the active functions.
- anodised aluminium case according to din standards, 202 x 105 x 148 mm, template for mounting on a board; frontpanel IP65
- time/date and permanent memory data also in case of mains power interruption
- calibration and parameter set-up, configurable from the indicator's keypad; theoretical calibration with entry of the characteristics of the load cells
- up to 10.000e or multirange 3 x 3000e @ 0,3 µv/d CE-M legal for trade
- up to displayable 1.000.000d for internal factory use, internal resolution up to 3.000.000 points
- A/D 24 bit sigma-delta 4-channel conversion, up to 200 conv./sec. with automatic selection; connectable with up to 8 analog load cells with 350 Ohm input resistance
- management up to 4 independent scales or digital equalisation of the 4 channels
- exclusive power unit (8 Vdc to 40 Vdc and upon request, 100-240 Vac)
- 2x RS-232/C, 16x 0,5A 48Vac/1A 24 Vdc optoisolated outputs, 8 optoisolated inputs (depending from application and firmware)
- connector for (label)printer(s)



### Available options a.o.

- wireless remote control
- ticket- / labelprinter for panel mounting
- analogue input with 16 bit A/D-converter 0-10 Vdc, 0-20 mA, 4-20 mA (depending from applied firmware)
- Ethernet-interface; Bluetooth-interface
- external Profibus interface for automation management (depending on firmware applied)



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The VPI-Ultra-serie includes the following versions, for panel mounting:

**VPI-D1** for 1 component dosage

**VPI-DM** for multicomponent dosage

**VPI-CW** for weight tolerance check with checkweighing

**VPI-U -BD** for dynamic product weighing on a conveyor belt

**VPI-U -BN** for dynamic product weighing on a conveyor belt, feeded from a silo, hopper, etc.

**VPI-01** for totalising / dosage

**VPI-02** for counting of quantities (pieces, liter)

**VPI-03** for weighing vehicles

**VPI-04** for statical check weighing of prepacked products

**VPI-05** for industrial weighing with price computing

**VPI-U -09** for static or dynamic wheel axle weighing

For further specifications: see the brochure of the concerning version.



### I/O-section (depending from firmware applied)

- **RS232/C bidirectional port**, configurable for connection to printer, labeller, or other external units
- **RS232/C bidirectional port** (optionally, RS485 or RS422) configurable for PC, PLC, or other external units
- **Third RS232/C serial port** (optionally, depending on the model), for connection barcode reader, repeater, etc.
- **16 optoisolated electronic outputs** 0.15A 48 Vac / 0.15A 60 Vdc, programmable as weight thresholds or for automation management (depending on the firmware application)
- **8 optoisolated inputs**, configurable as remote function keys or for automation management (depending on the firmware application)
- **External Profibus output** (optionally, depending on the model), for remote management of the system
- **Optional Bluetooth connection**, for quick wireless programming of the activities and the formulas, through PC or PDA



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