

# 3590 MULTIFUNCTION VERSION FOR INDUSTRIAL AUTOMATION



multifunction indicator for industrial automation.

Software version for OEM systems for industrial automation; the fitted inputs/outputs, the wide range of functioning modes and the available serial commands, allow a simple interfacing with a PC and PLC, in order to create weighing systems with automation management. Usable as a 4-channel digital junction box, or as a manager of 4 independent weighing systems.

## MAIN FUNCTIONS

- Scale zero: through dedicated key, serial command or external input.
- Manual or semiautomatic tare: through dedicated key, serial command or external input.
- Database of 100 recallable tares, programmable through the serial line.
- Locked/unlocked tare function or disabling of the tare functions.
- Database of 200 articles per printout, with alphanumeric description of 2 lines with 20 characters each.
- Keypad lock/unlock function.
- 15 configurable and printable texts, each of 16 characters, fillable through the keypad or through serial commands.

## FUNCTIONING MODES

- Set point on the gross weight: the 3 relay outputs can be used for distinguishing gross weight or range thresholds; the relays can be enabled instantaneously or upon weight stability and can be configured as N.O. or N.C.; it's also possible to distinguish the enabling from the disabling threshold for each single relay (hysteresis).  
The set points can be configured through the serial line using dedicated commands.
- Set point on the net weight: same functions as the previous mode, but on the net weight.
- Tolerance control, with targets and weight thresholds settable through the serial line or the keypad; possibility of managing a control light for a clear vision of the control result.
- Alibi memory (optional), for saving weighs and communication with PC for legal for trade use.
- Multiscale counting, with possibility of setting the average piece weight and the reference quantity, through the keyboard or through the PC using a dedicated command.
- Accumulation, with two total levels.
- Vertical totalisation or formulation, with two total levels.
- Master/Slave: the 3590 master interrogates continuously up to 4 3590 slaves with the possibility of viewing the sum of the 4 or repeat all the functions of the single slave (remote position).
- Simple input/output.
- Hold, freezing the weight on the display.
- Peak, detection of the peak weight, with adjustable speed of the detection device.
- Conversion of the unit of measure into pounds through the function key or external

input.

- Net / gross weight visualisation switch.

**TO VIEW THE AVAILABLE VERSIONS, SEE  
THE 3590XP OR 3590XT PRODUCT DATA  
SHEETS**