

## General information

PWS40520260509

The load limiter LC 330 is an electronic instrument compact and reliable, compliant to the safety regulations EN 13849-1 PL d / EN 62061 SIL 2, designed for to prevent overloads and to ensure the safety of the operators. It is equipped with: 2 inputs independent for load cells (single or dual bridge). Display LCD backlit to 2 lines x 16 characters. Keypad to 4 mechanical keys for calibration and configuration quick. Terminal blocks extractable for to simplify wiring and maintenance. Function adder up to 4 units connected (via RS485 or RF optional). Relay of safety to contacts guided for blocking and alarms.



Technical Manual: [lc-330\\_technical\\_manual.pdf](#)

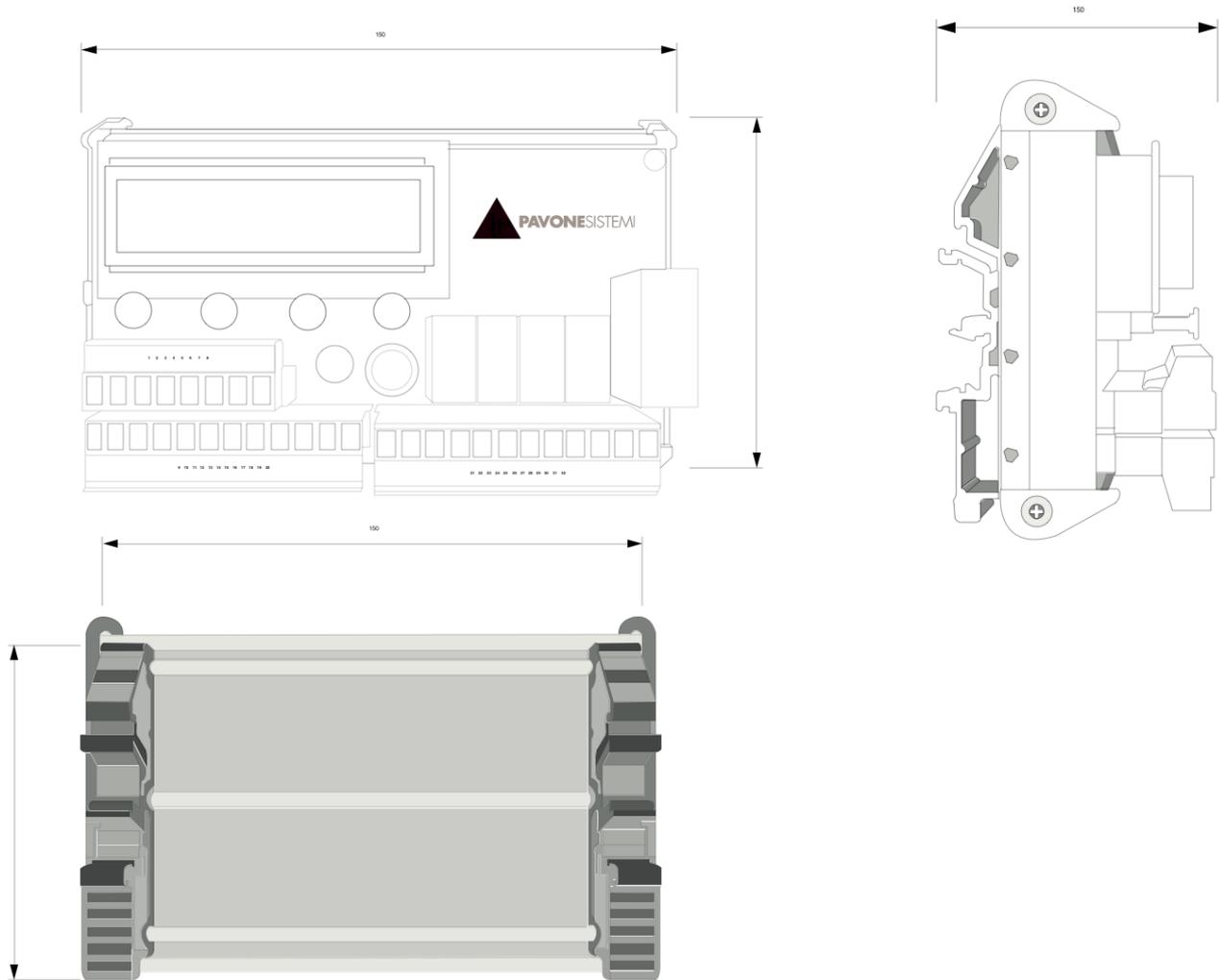
All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).

## Technical specifications

PWS40520260509

|  |   |
|--|---|
| <b>Measuring range:</b>                  | -3,9 ÷ +3,9 mV/V  |
| <b>Internal Resolution:</b>              | 24 bit  |
| <b>Linearity:</b>                        | <0,01% full Scale   |
| <b>Gain drift:</b>                       | <0,002% FS / °C   |
| <b>Filter:</b>                           | 0,25 ÷ 3 Hz selezionabile   |
| <b>Display:</b>                          | LCD display with backlight 2 x 16 character   |
| <b>Keyboard:</b>                         | 4 mechanical keys   |
| <b>Number of connectable load cells:</b> | Max 8 cells from 350 Ohm (single/dual bridge)   |
| <b>Voltage power cell:</b>               | 4 Vdc short-circuit protected   |
| <b>Logic inputs:</b>                     | 2 optoisolated inputs   |
| <b>Logic output:</b>                     | 1 safety interlock relay, 2 limit relays, 1 alarm relay                               |
| <b>Rated load RL:</b>                    | 2A – 30Vdc/250Vac   |
| <b>Analog optional output:</b>           | 0–10 V / 0–5 V o 0–20 mA / 4–20 mA, 16 bit  |
| <b>Output linearity:</b>                 | 0,03 % full scale   |
| <b>Temperature drift analog output:</b>  | <0,002 % full scale/°C  |
| <b>Communication interfaces:</b>         | RS232, RS485, Optional RF (868 MHz)   |
| <b>Flash memory:</b>                     | 128 KB Flash + 32 KB EEPROM (expandable to 256 KB)                                    |
| <b>Microcontroller:</b>                  | ARM Cortex M0+ 32 bit   |
| <b>Power supply:</b>                     | 20 ÷ 50 Vac/Vdc, 6 VA   |
| <b>Isolation:</b>                        | Class III   |
| <b>Power consumption:</b>                | 6 VA  |
| <b>Temperature range:</b>                | -10 ÷ +50°C (max 85% humidity without condensation)                                   |
| <b>Storage temperature:</b>              | -20 ÷ +60°C   |
| <b>Material:</b>                         | Polyamide 6.6 UL 94V-0 flame retardant  |
| <b>Electrical connection:</b>            | Removable screw terminals with 5.08mm pitch and RJ45, USB A and B communication ports |
| <b>Dimensions:</b>                       | 140 x 93 x 65 mm (Enclosure) / 90 x 72 mm (Circuit board)                             |
| <b>Mounting type:</b>                    | Fixing with 4 screws or on support for DIN bar or OMEGA bar 35 mm                     |
| <b>Regulatory compliance:</b>            | EN61010-1, EN61000-6-2, EN61000-6-3, EN13849-1, EN62061 SIL                           |

All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).

**Electronic Overload Guard LC 330**


All indicated data may be changed without notice.  
 All the measures indicated are expressed in millimeters (mm).