

Indicator Mod. WIN13

Gicam weight indicators are weight indicator devices connected to load cells. We have multifunction displayers for weighing and dosing, for bridge weighing, with load limiter. Portable displayers are available in comfortable briefcases. We have panel mounting, portable, DIN and OMEGA bar mounts, analog indicators and touch screens indicators. IP65 products are available with dust protection. Gicam indicators support industrial communication protocols like PROFIBUS, PROFINET, MODBUS and more.



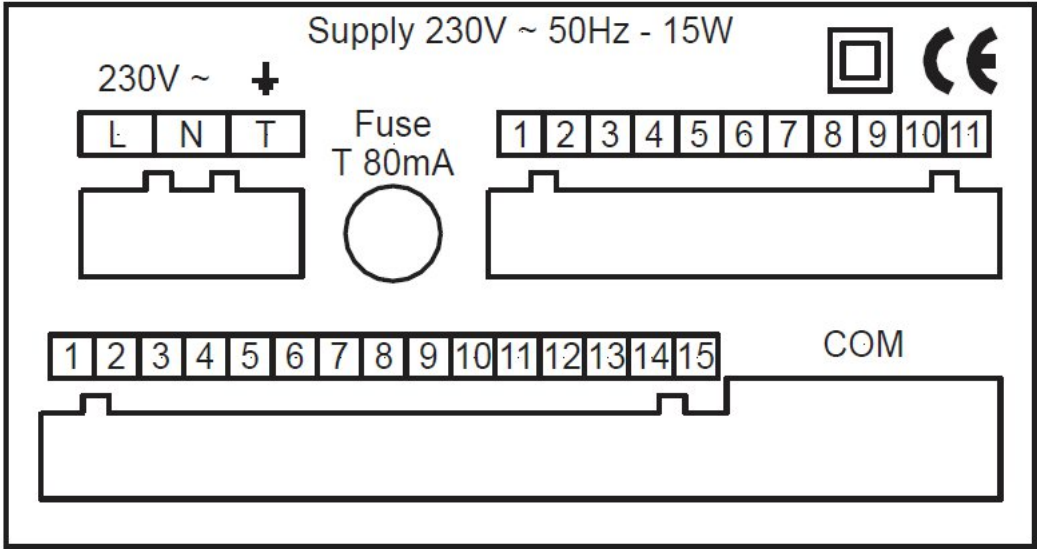
Indicator

Technical Specifications

|                              |                                                                                                       |                                                         |
|------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| Power supply                 | 230 / 115 V ac, 50 / 60 Hz option 12 V dc                                                             |                                                         |
| Max power consumption        | 15 VA                                                                                                 |                                                         |
| Isolation                    | Class II                                                                                              |                                                         |
| Installation Category        | Category II                                                                                           |                                                         |
| Operating temperature        | -10 / +40°C (14 °F / 104°F) Humidity maximum 85% non-condensing                                       |                                                         |
| Storage temperature          | -20 / +50°C (-4 / +122°F)                                                                             |                                                         |
| Display                      | Numeric 7-digit, 7-segment LED (h 14 mm)                                                              |                                                         |
| Led                          | 7 3 mm indicator LEDs                                                                                 |                                                         |
| Keyboard                     | 14 membrane buttons with buzzer                                                                       |                                                         |
| Overall dimensions           | 144 x 72 x 120 mm / 5.67 x 2.83 x 4.72 in (l x h x p) (DIN43700)                                      |                                                         |
| Mounting                     | Panel mount                                                                                           |                                                         |
| Case material                | Self-extinguishing Noryl (UL94 V1)                                                                    |                                                         |
| Protection level             | IP 54                                                                                                 |                                                         |
| Connections                  | Removable screw terminal blocks 5.08 pitch (power supply pitch7.5), serial ports on 9-pole SUB-D plug |                                                         |
| Power supply load cells      | 5 V dc / 120 mA (maximum 8 cells with 350 &#937; in parallel) protected against short-circuit         |                                                         |
| Input sensitivity            | &#8805; 0,02 &#956;V                                                                                  |                                                         |
| Linearity                    | < 0.01% of full scale                                                                                 |                                                         |
| Temperature deviation        | <0,0003% of full scale/°C                                                                             |                                                         |
| Internal resolution          | 24 bit                                                                                                |                                                         |
| Weight resolution            | Up to 600.000 counts (6.000 if legal)                                                                 |                                                         |
| Measuring range              | -3.9 mV/V - +3.9 mV/V                                                                                 |                                                         |
| Weight acquisition frequency | 6 Hz - 160 Hz                                                                                         |                                                         |
| Digital filter               | 0.2 Hz - 50 Hz                                                                                        |                                                         |
| Output rate                  | 5 Hz - 50 Hz                                                                                          |                                                         |
| Number of weight decimals    | from 0 to 4 decimal digit                                                                             |                                                         |
| Zero / FS Calibration        | Automatic (theoretical) or executable through buttons                                                 |                                                         |
| Analog output in tension     | 0 10 V / 0 5 V                                                                                        |                                                         |
|                              | Resolution                                                                                            | 16 bits                                                 |
|                              | Calibration                                                                                           | Digital through buttons                                 |
|                              | Impedance                                                                                             | &#8805; 10 k&#937;                                      |
|                              | Linearity                                                                                             | 0.03% full scale                                        |
| Analog output under current  | Temperature deviation                                                                                 | 0.001% full scale / °C                                  |
|                              | 0 - 20 mA / 4 - 20 mA                                                                                 |                                                         |
|                              | Resolution                                                                                            | 16 bits                                                 |
|                              | Calibration                                                                                           | Digital through buttons                                 |
|                              | Impedance                                                                                             | &#8804; 300 &#937;                                      |
| Logical output               | Linearity                                                                                             | 0.03% full scale                                        |
|                              | Temperature deviation                                                                                 | 0.001% of full scale/°C                                 |
|                              | 6 relays (NO contact) maximum 115 V ac / 30 V dc, 0.5 A each                                          |                                                         |
|                              | 8 opto-isolated at 12 / 24 V direct current PNP                                                       |                                                         |
|                              | 2 external boards of 8 relays as above (optional)                                                     |                                                         |
| Additional logic outputs     | COM1: Rs232c half duplex COM2: Rs422/Rs485 half duplex                                                |                                                         |
|                              | Max. cable length                                                                                     | 15m (Rs232c) and 1000m (Rs422 and Rs485)                |
| Serial port                  | Serial protocols                                                                                      | ASCII, Stampanti Alfapanel, EPSON, Modbus               |
|                              | Baud rate                                                                                             | 1200, 2400, 4800, 9600, 19200, 38400, 115000 selectable |

|                        |                                                     |
|------------------------|-----------------------------------------------------|
| Program code memory    | 128 Kbytes FLASH re-programmable on board via RS232 |
| Data memory            | 8 Kbytes expandible up to 36 Kbytes                 |
| Optional fiscal memory | 1 Mbytes (up to 160.000 weighing saved)             |
| Calendar clock         | On motherboard with buffer battery                  |
| Conforms to standards  | EN61000-6-2, EN61000-6-3, EN61010-1, EN45501        |

Connections



| 9 pin Sub-D |           |
|-------------|-----------|
| Length: ND  |           |
| 1           | NC        |
| 2           | RS232 Rx  |
| 3           | RS232 Tx  |
| 4           | RS422 TX+ |
| 5           | GND       |
| 6           | RS422 TX- |
| 7           | RS422 RX- |
| 8           | RS232 CTS |
| 9           | RS422 RX+ |

| Terminal block 3P (pitch 7.5) |               |
|-------------------------------|---------------|
| Length: ND                    |               |
| 1                             | 230V~ Line    |
| 2                             | 230V~ Neutral |
| 3                             | GND           |

| Terminal block 11P (pitch 5.08) |               |
|---------------------------------|---------------|
| Length: ND                      |               |
| 1                               | Output 1      |
| 2                               | Output 2      |
| 3                               | Common output |
| 4                               | Output 3      |
| 5                               | Output 4      |
| 6                               | Output 5      |
| 7                               | Output 6      |
| 8                               | Common output |
| 9                               | +12V Encoder  |
| 10                              | Encoder Input |
| 11                              | 0 encoder     |

| Terminal block 15P (pitch 5.08) |                           |
|---------------------------------|---------------------------|
| Length: ND                      |                           |
| 1                               | - Exc. Load cell          |
| 2                               | + Exc. Load cell          |
| 3                               | + Load cell Sense         |
| 4                               | - Load cell Sense         |
| 5                               | - Signal load cell        |
| 6                               | + signal load cell        |
| 7                               | Input 1                   |
| 8                               | Input 2                   |
| 9                               | Input 3                   |
| 10                              | Input 4                   |
| 11                              | Input 5                   |
| 12                              | Input 6                   |
| 13                              | Common input              |
| 14                              | + Analog output (input 7) |
| 15                              | - Analog output (Input 8) |