



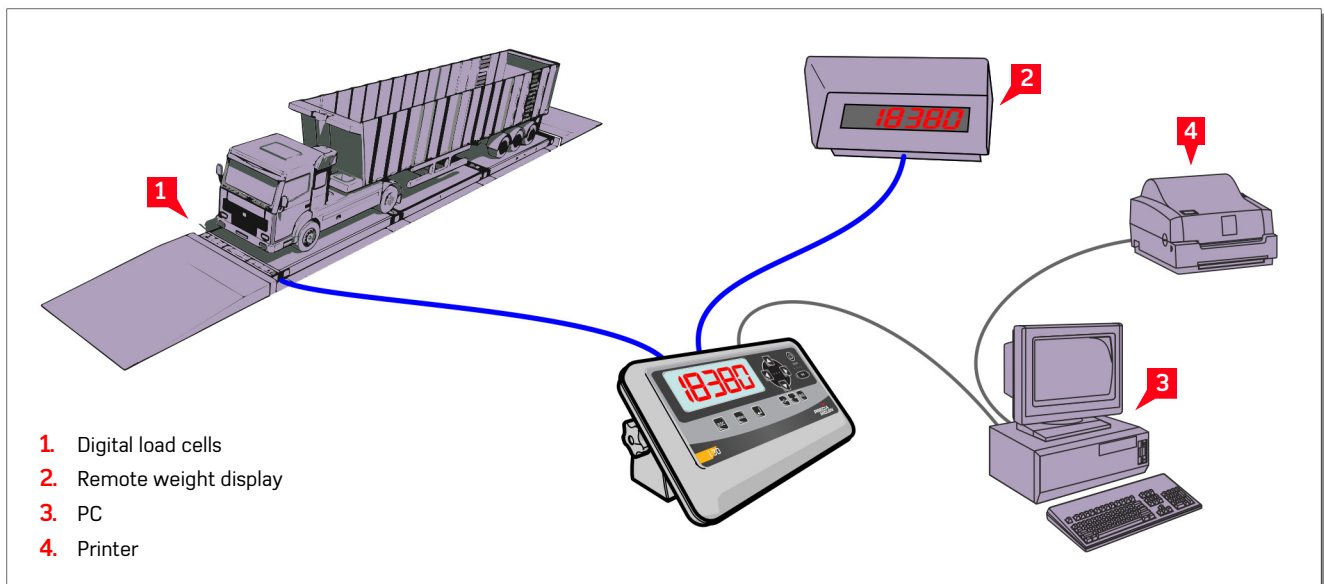
With selectable interface between the measurement chain and the management system, the **i 30** indicator has multiple connections to the industrial PCs on the market and remote weight displays, in accordance with the legal metrology aspects.

Its power allows it to supply up to 18 PRECIA MOLEN product line analog or digital load cells, thus allowing it to manage very long bridges.

With the 300,000 records on Data Storage Device (DSD) as standard equipment, it controls two weighbridge incoming and outgoing traffic lights locally. The **i 30** indicator is the ideal tool for a decentralized weighing system in constant communication with the PCS-LAN application (optional), or any other client's application.

Typical application

Digital weighbridge on PMNet field bus and with management microcomputer.



Settings

The indicator's metrological and functional settings can be made:

- Via the indicator's front panel;
- Via PC and internet browser.

Parameter backup / restore on SD card or PC.

Preventive maintenance help

- Overload counter (digital: load cell by load cell).
- Alert display on 3 levels according to the number of weighings taken.

Characteristics and functions

Metrology

- Class III IPFNA
- Single range: 6000 e (ML) / 30 000 d (HML)
- Dual range: 2 x 3000 e, 2 x 6000 e (ML)
- Sensitivity 2 mV/V
- Minimum voltage step per step 0.5 µV
- Load cell power 5 V
- Minimum load cell impedance 43 Ω
- Maximum load cell impedance 1,245 Ω
- Connection 4/6 wire
- Up to 100 measurements/second.
- Cascadable digital filtering on 2 configurable levels.

Weighing

- Weight reading (up to 18 load cells).
- Minimum threshold management.
- Zero tracking.
- Recording 300,000 weight records on Data Storage Device (DSD).
- All weighings are made from the management PC.

Display - Keyboard

- Innovative FSC-LCD (Field Sequential Colour) technology.
- High viewing angle.
- Adjustable contrast.
- Weight on 7 x 25mm high characters.
- Indications: Unit, stability, range.
- Configurable background colour (choice of 7 colours).
- Real time clock (HH:MM:SS).
- Weighbridge description: 10 x 8mm characters.
- Touch control keyboard.

Housing

- 304L stamped stainless steel – IP 66 protection.
- Includes a swivel bracket (180°) for tabletop or wall installation.
- Reversible rear shell.
- Weight 1.5 Kg

Power supply

- Voltage/ Frequency 90-230 V AC/ 50-60 Hz

Temperature range

- Operation
 - Trade use - 10 °C / + 40 °C
 - Unregulated use - 15 °C / + 60 °C
- Storage - 20 °C / + 65 °C

Communication

- ▼ Communication with the management PC, selectable:
 - 1 10/100 Mb RJ45 Ethernet port
 - 1 RS232/RS485 port
 - 1 serial USB port (option)
- ▼ Communication to the remote weight display, selectable:
 - On PMN network and (from the junction box)
 - 1 RS232/RS485 port
 - 1 open CAN bus (option)
- ▼ Protocols
 - PM A+ slave, PM A+ master
 - PM master D
 - RTU Modbus (Serial bus)

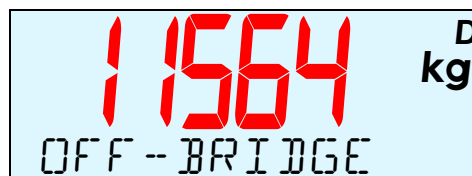
Options

- ▼ Traffic light management (up to 2 lights)



- Light status display.
- Traffic light type configuration: Incoming or outgoing.
- Light name configuration (on 4 characters).
- Galvanically isolated digital output - 100mA.

- ▼ Weighing authorisation according to the state of a contact switch (vehicle positioning cell, key switch, etc.).



- Configurable message.
- Authorisation / Weight display (YES/NO).
- Galvanically isolated digital input: 8-30 V DC - 15 mA max.

- ▼ Panel mounting kit

Provide a 270 x 165 mm rectangular cut out in the front of the cabinet (maximum thickness: 6 mm).

Certification

- **Metrology:** Complies with directive 2009/23/CE (Non-Automatic Operation Weighing Instrument).
- **Electromagnetic Compatibility:** Complies with the directive 2004/108/CE.
- **Low Power:** Complies with the directive 2006/95/CE.

Your specialist

Non contractual illustrations. Precia-Molen reserves the right to alter the characteristics of the equipment described in this brochure at any time.

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