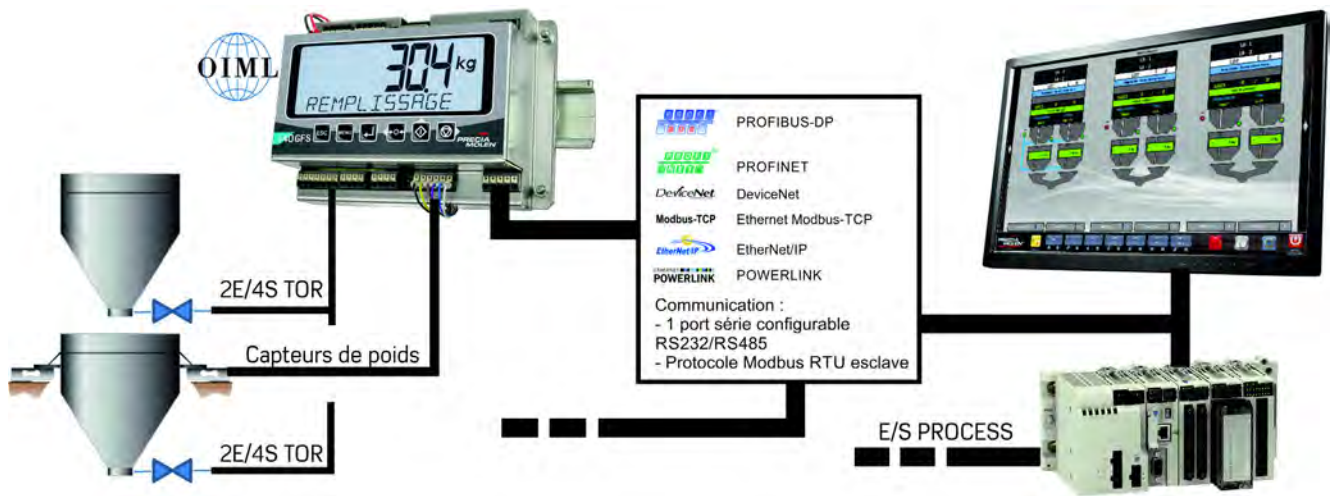


i40 GFS Transmitter for filling dosing

**PRECIA
MOLEN™**
WORLDWIDE WEIGHING



The i40 GFS is a weighing solution for internal use or certified legal for trade use, which can be easily integrated independently of the technical made in terms of the line management automation.

Application

The i40 GFS is an industrial weight measurement transmitter which has a display mechanisms and software to control the cycle of a weight feeder or other liquid, powder or grain feeder machine.

This application must be managed from an HMI, controller or industrial PC type master interface via numerous field buses located in the i40 GFS.

Functions

- ▼ Weighing: precise weight measurement up to 100 meas/sec, from 1 to 4 cells (4 or 6-wire).
- ▼ Dosing
 - Choice of Net or Gross weight weighing mode,
 - Training cycle,
 - Control cycle (with Reset),
 - Fast cycle,
 - Batch management,
 - Statistics calculation.
- ▼ Web server for maintenance via ETHERNET.
- ▼ Degraded mode which provides access to test and maintenance functions.
- ▼ Field bus metrological and activity indicators.
- ▼ French/English.

It has a backlit display unit which enables the following information to be displayed:

- ▼ WEIGHT value with a choice of unit: g, kg or lb.
- ▼ INFORMATION in the secondary row:
 - The cycle steps,
 - The titles of the different menus,
 - The error messages in red.

Statistics

Provision of the number of doses made, min and max weights, total weight, average weight and standard deviation.

Display

- FSC (Field Sequential Colour) segments technology
- Configurable 7 colour backlighting
- Weight display on 7 x 25 mm high output
- 10 x 8 mm high digit text area
- High viewing angle and contrast
- Colour display for the different information depending on its type

Keyboard

- Touch control keys.
- 12 key numeric keypad (i40-SS GFS only)
- 2 process keys (start cycle/stop cycle)
- 3 menu configuration keys

Electrical characteristics

- Power supply..... 9 to 30 V DC*
- Maximum consumption:
 - Typical..... 1.4 W
 - With field bus option 2,7 W
- Connections on spring loaded terminals
- Operating temperature -15 °C / + 60 °C**
(at 80% max. relative humidity, non-condensing)
- Storage temperature - 20 °C / + 65 °C
(at 90% relative humidity, non-condensing)

* If 4-20 mA option: 22 V minimum.
** - 10 °C / + 40 °C in trade use.

Metrological characteristics

- Up to 200,000 divisions for non-trade use.
- Sensitivity 2mV/V
- Minimum voltage division per division 0.5 µV
- Load cell power supply 5 V
- Minimum load cell impedance 43 Ω
- Maximum load cell impedance 1245 Ω
- 4/6 wire connection
- Up to 100 measurements / second
- Cascadable digital filtering on 3 configurable levels

Approval for trade use

Conforms to European Directive 2009/23/EC on Automatic Weighing Instruments (IPFA).

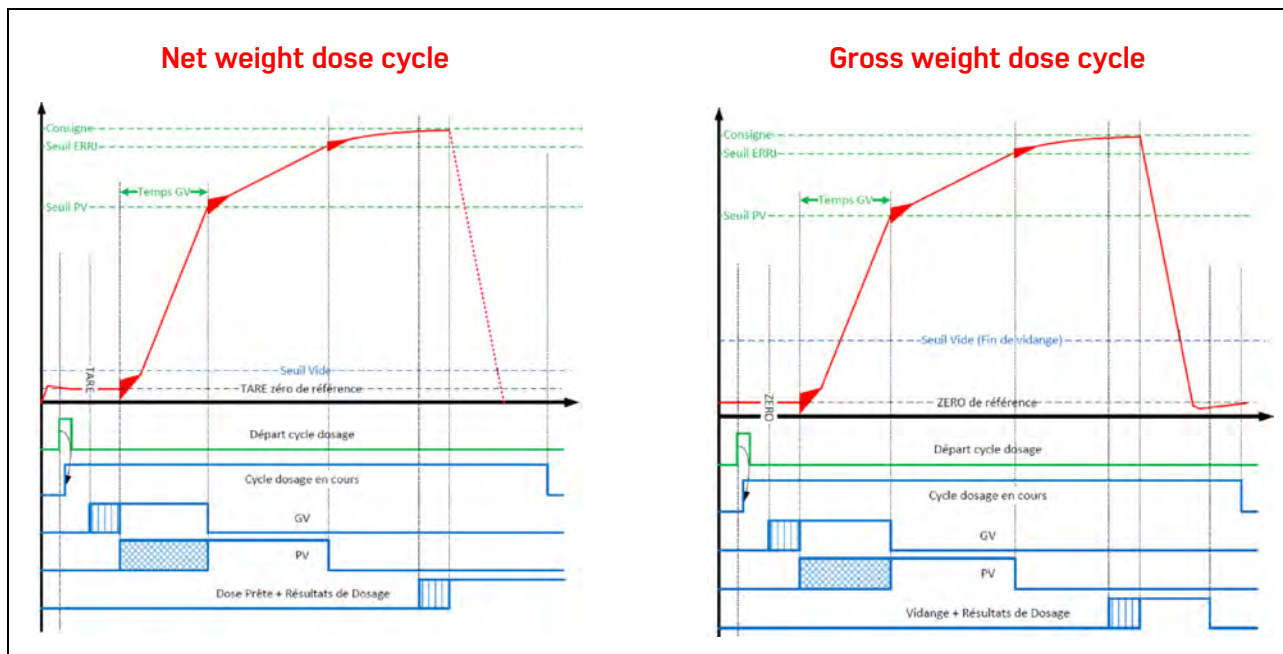
Inputs / Outputs

- 4 isolated digital outputs 48 V AC/DC - 100 mA.
- 2 digital inputs 8-30 V DC - 15 mA

Allocations	
Inputs	Outputs
Set zero	Cycle in progress
Cycle start / restart	Outside tolerance +
Pause cycle	Outside tolerance -
Abandon cycle	Cycle paused
	System available
	Make-up mode
	High speed
	Low speed
	Discharge
	Dose ready
	Fault
	Stable weight

Compliance

- ▼ Conforms to the European Directive on Electromagnetic Compatibility.
- ▼ Compliance with the European Low Voltage Equipment Directive.



Your specialist

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

Head Office & Plant **PRECIA-MOLEN**
 BP 106 - 07000 Privas - France
 Tel. 33 (0) 475 664 600
 Fax 33 (0) 475 664 330
 E-MAIL webmaster@preciamolen.com

RCS: 386 620 165 RCS Aubenas

