



Functional characteristics

PRINT:

- Text on the weigh ticket freely configurable via keyboard (*company data*).
- Print-out: automatic (*after reaching preset weight*), periodical (*at preset intervals*) or upon manual print command.
- Print-out in table form of all connected scales.

Note: The LOC 400(s) and TER 400 are connected by a RS485 serial interface (Mod-Bus/J-Bus) using one cable only (maximum length: 1000 m).

RS 232 output for connection of a printer, with a PC, surveying system or PLC.

COMMUNICATION:

- JBUS/MODBUS communication protocol.
- Data exchange in binary format or real time.
- All functions and parameters accessible via the protocol

EXTRA FUNCTIONS:

- Parallel I/O with programmable functions.
- Subtracting algorithm for 2 scales to measure the difference of throughput for regulating purposes.

General

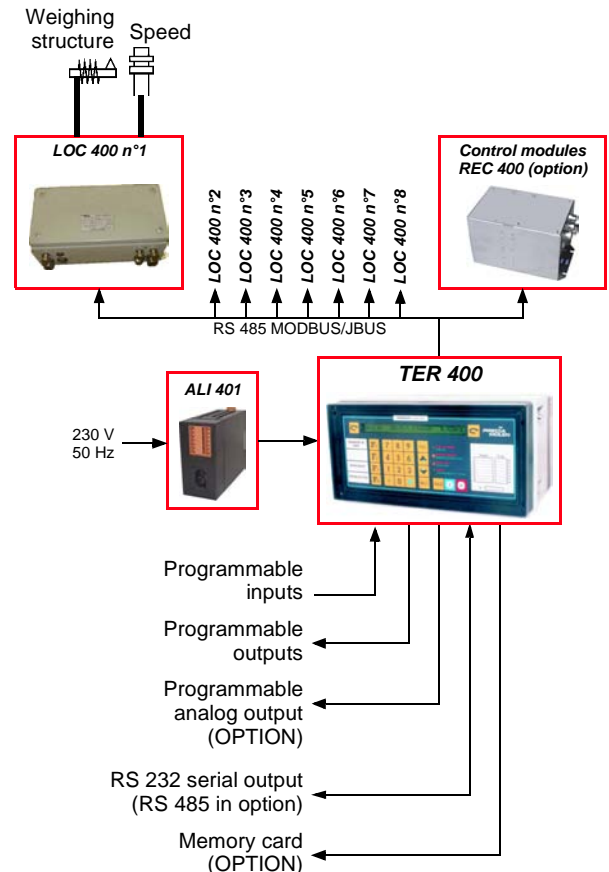
The TER 400 is a data handling terminal that - together with the intelligent LOC 400 module - constitutes the ROL 400 electronic, multi-channel belt scale controller. After connection to a maximum of 8 weighing infra structures + tachometers, the latter measures a continuous flow of bulk commodity with variable throughput and totalises the passed weight.

General presentation

- 1 built-in type housing (*cut out 232x139x200*) industrial protection rating IP 65 (*front panel*) - power cord (L = 2 m):
 - 1 keyboard with 23 keys,
 - 1 back-lit LCD display with 40 characters,
 - 1 CPU board,
 - 1 keyboard/display controller board,
 - 1 serial interface board, RS 232 (*Mod-Bus/J-Bus*) for PC, printer, micro-computer, supervision, PLC,
 - 1 parallel I/O board (4 in/4 out) for individual set-up of the in/outputs by parameters,
 - 1 ALI 401 power supply unit.
- for handling 1 up to 8 weighing infrastructures.
- Alphanumerical display on the screen in clear text of the throughput, totalised weight, belt speed and weight per meter.
- Status indication by 8 LEDs.
- Autonomous date/time stored in the memory.
- Easy programming by menu-driven dialogues.
- Personalised printing program.
- Communication program (*JBUS protocol*).
- Operator dialogue in 4 freely programmable languages (*French, English, Spanish, Polish*).

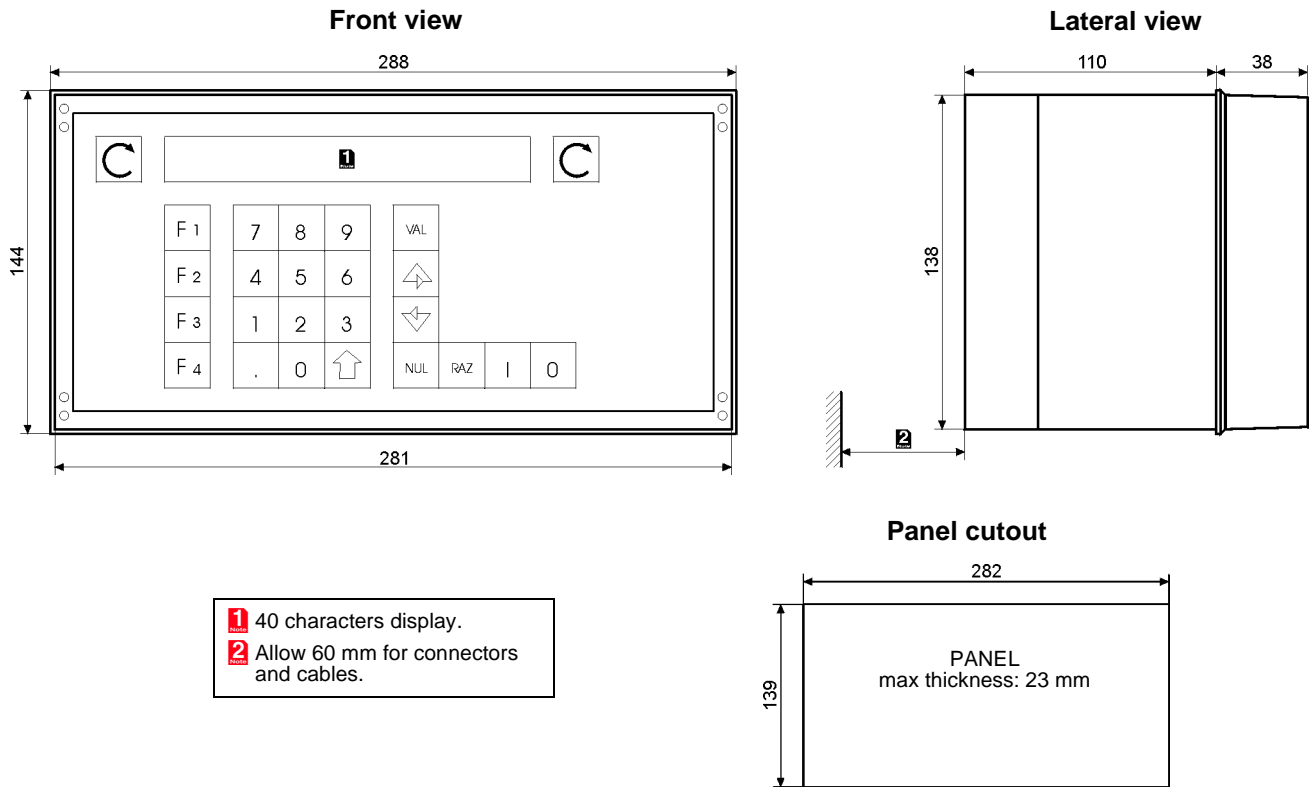
Typical application

DYNAMIC WEIGHING:



Physical characteristics :

■ Dimensions of the built-in model :



■ Weight: 2 kg

Electrical characteristics

- Power supply 15 to 30 V =.
- Power consumption 1 VA.
- Parallel input: level 15 to 30 V =.
- Static relay - breaking power: 48 VDC or 48 VAC, max. 100 mA
- Analogue output board: 0-20 mA or 4-20 mA parameter selectable, load impedance 600 Ω, max. resolution: 8 bits.

Environmental characteristics

- Industrial protection rating IP 65 (TER 400 front panel).
- Operating temperature range from 0 to 40°C.

Options & Accessories

- 1 Programmable analogue output board (2 out) (0-20 mA or 4-20 mA)
- 1 RS 485 or 20 mA Current Loop interface board for connection of a printer, with a PC, surveying system, PLC, etc.
- External regulating module REC 400.
- Parameters saved on chip board.
- Cabinet with glass door 450 x 250 x 300 - (IP55).
- Bracket for table or wall mounting.
- Micro-computer,
- Weight or capacity slave display.
- Printer for 80 columns or weight tickets.
- Recorder.
- Micro-computer.

Your weighing specialist

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Offices and Factory
 P.O. Box 106 - F 07000 Privas - France
 Tel. 33 (0) 475 664 600
 Fax 33 (0) 475 658 330
 E-MAIL webmaster@preciamolen.com

RCS : 386 620 165 RCS Aubenas

