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PT321

PT321 COMPACT FILLING CONTROLLER



GENERAL FEATURES

- Up to 1600 measurements per second
- 16,000,000 internal resolutions
- Up to 999999 scale divisions
- OIML R76 Approved to 10000e
- Up to $8x 350 \Omega$ load cells
- 8 filling modes.
- Totalling
- Ergonomic design with small size
- 13.5 mm LED display
- Multiple units (kg, lb)
- · vCal Electronic calibration
- · Linearity correction
- Gravity compensation adjustment
- Programmable via PC
- RS-232C & RS-485 serial interface standard
- · Modbus RTU on all instruments
- 12 28 VDC supply
- 4 isolated inputs, 5 Relay outputs

8 Filling Modes

- Open container filling in Gross mode,
- Open container filling in Net mode (taring container weight off),
- Drum filling through the bung hole in Gross mode.,
- Drum filling through the bung hole in net mode (taring container weight off),
- Packing/bagging with pre-weigh hopper,
- Multi-cycle packing/bagging with preweigh hopper,
- Weigh out (subtractive) batching with hopper topup (recharge),
- · Bag filling/packing directly into the bag.

SYSTEM INTEGRATION

- Ethernet TCP/IP, Ethernet/IP
- Modbus RTU, Modbus TCP
- Profibus
- Profinet
- CANopen
- CC-Link
- Powerlink
- EtherCAT

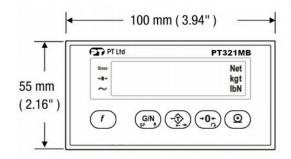
... Azure Signature Series!

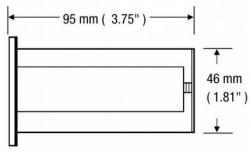
The PT321 is a smart controller for industrial weigh filling applications, offering 7 filling modes, powerful PLC integration facilities, standard serial ports (RS-232C, RS-485), Modbus and other optional fieldbus protocols.

The PT321 series is approved by Weights & Measures Authorities for use in Accuracy Class III applications with 10000 scale intervals in accordance with OIML R76.

Powerful calibration options including vCal (Electronic calibration without test weights) which supports fast easy setup and service. The PT321 features adaptive filtering for fast settling, high display resolution and a speed of up to 1600 conversions per second.

It's small sized aluminum body is perfect for panel installations, providing a big display and requiring little space on control panels. The instrument has a stainless steel front for use in harsh environments.









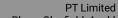


Accupoint weigh module









2/7 Marken Place, Glenfield, Auckland 0627, New Zealand PO Box 102041 NSMC, Auckland 0745. Ph.+64 9 444 4312 www.ptglobal.com



PT321 SPECIFICATIONS

ACCURACY OIML R76 Class III 10000 scale intervals
DISPLAY 6 digits, 7 segments red LED, 13.5 mm high

RESOLUTION Max. Displayed 999999 (non-approved), internal 16000000, 24 bit Delta Sigma ADC

CONVERSION RATE Up to 1600 times per second

UNITS DISPLAY kg, lb Metric/Imperial

DISPLAY ANNUNCIATORS Gross, net, motion, centre of zero, units

KEYPAD (with access lock) 5 key (user assignable Function, G/N, Tare/Clear, Zero, Print)

LINEARITY ERROR, TEMP. < 0.0015% FSO, < 2 ppm/°C

COEFFICIENT

EXCITATION 5VDC 125mA, up to 8x 350Ω or 16x 700Ω load cells, 4 or 6 wire, maximum 1000 m/mm²

INPUT VOLTAGE RANGE AND --18mV to +18mV, 0.4 μV/d (approved); 0.1μV/d (non approved)

SENSITIVITY

ZERO ADJUSTMENT RANGE -18mV to +18mV

OPERATING ENVIRONMENT
-15°C to +55°C; max. 85% RH (80% RH, -10~40°C approved), non-condensing. IP65 sealing.
ENCLOSURE AND DIMENSIONS
Stainless steel front panel, aluminium casing, stainless rear. 100mm x 55mm panel, 100mm

deep. 1/8DIN cutout.

POWER SUPPLY 12-28VDC max., 300mA.

FEATURES

CALIBRATION Calibration can be performed with or without load cell non-linearity correction.

Calibration with test weights, Electronic calibration without test weights,

Temporary zero calibration, Zero adjustment, Gain adjustment.

DIGITAL FILTER Adaptive digital filter adjustable in 10 steps.

FILLING FUNCTIONS 8 filling modes to cater for most filling operations.

TOTALLING Totalling to provide a total of filling activity

COMMUNICATION

RS-232C 1200 to 115200 baud, programmable. Continuous, Printer, BSI. Available on all models

RS-485 (Modbus RTU) 1200 to 115200 baud, 7/8-E/O/N-1. Up to 31 stations. Available on all models

Ethernet TCP or Modbus TCP 10 Mbit/s (half duplex), galvanically isolated

Ethernett/IP 10/100 Mbit/s, full or half duplex

PROFIBUS DP V1. 9.6 kbit/s to 12 Mbit/s automatic baud rate detection

PROFINET 100 Mbit/s (full duplex), galvanically isolated
CANopen 10 kbit/s to 1 Mbit/s automatic baud rate detection

EtherCAT 100Mbits/s, full duplex.

CC-Link 156kbits/s - 10Mbits/s (selectable).

Powerlink 100Mbits/s, half duplex.

DATA OUTPUT Demand (BSI), Continuous and Fast Continuous, Fieldbus (model dependent).

PRINTING/WEIGH TICKET

TICKET FORMAT Single line or multi-line. Ticket weighing number can be Preset.

DATE FORMAT Programmable as dd.mm.yyyy, mm.dd.yyyy or yyyy.mm.dd

PRINT LANGUAGES English, German, French, Italian, Spanish, Turkish