P620
ADVANCED IP67 STAINLESS STEEL INDUSTRIAL WEIGHING INDICATOR

GENERAL FEATURES

- Wide angle LCD display with multi-coloured back light, 22mm main digits and 8mm alphanumeric auxiliary digits.
- Desk, wall and panel mount versions
- Up to 999999d display resolution
- Up to 800 conversions per second
- OIML approved to 10000d
- Dedicated navigation keys provide easy operation
- High sensitivity (to 0.05 µV/d)
- Linearity correction
- Gravity Adjustment
- Keypad locking
- Mains and 12-28V DC versions
- Dynamic weighing
- Up to 8x 350Ω load cells
- 2x RS-232C 1x USB and 1x RS485 data port standard
- Connectivity to remote displays and printers
- Programmable print format
- Choice of 6 languages for printing
- Built in real time clock
- User setable password access
- Stainless steel housing to IP67

BASIC WEIGHING

- Multiple tare
- Auto tare

APPLICATIONS

- Process and industrial weighing (silos, tanks, hoppers, etc.)
- Food processing and hygenic applications
- Label printing with barcode
- General harsh conditions weighing
- Livestock and dynamic weighing
- Checkweighing, classifying, filling, counting

SYSTEM INTEGRATION

- Optional Analogue outputs and Digital I/O
- 9 different types of output (dependant on selected application) are configurable with optional Digital I/O

...Azure Signature Series!

The PT620 is an advanced, high quality general purpose weighing indicator for industry in a durable IP67 stainless steel housing. Ideal for platform, truck and hopper scales among other applications and is available with a wide range of options. The PT620 has many of the advanced features of the PT630 for stand alone use without the fieldbus connectivity.

The PT620 is approved by Weights & Measures Authorities for use in Accuracy Class III applications with 10000 intervals in accordance with OIML R76.

Weighing, and Dynamic weighing for animals and fluctuating loads, check weighing, classifying, filling and counting are standard as is printing which is selectable from 4 languages.

Powerful Bi-directional Serial Interface (BSI-BASE, BSI-PRO) communication as standard. A wide range of options is available for desk, wall or panel mounting and digital I/O and analogue output.

Easy, practical operation via navigation keys with 6 large 22mm digits, 16 alphanumeric characters 8mm high and wide viewing angle, multi-colour backlit LCD display.

The PT620 is powered by AC power with integral mains cable. A version is available for powering from 12-28VDC.

Accupoint weigh module

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PT620 SPECIFICATIONS

ACCURACY	OIML R76 Class III 10000. Single range, multi-range, multi-interval operation
DISPLAY	Wide view backlit LCD with 22mm digit height, 8mm alphnumerics and 3 back light colours
RESOLUTION	Max. Displayed 999999 divn., internal 16000000, 24 bit Delta Sigma ADC, up to 800 conv/s
CAPACITY & UNITS DISPLAY	Up to 300 000kg, Units g, kg, oz, lb Metric/Imperial switchable
DISPLAY ANNUNCIATORS	Gross, net, motion, centre of zero, units
KEYPAD	11 key (on/off, Tare/Clear, Zero, unit swap, 10x resolution, navigation and print)
EXCITATION	5VDC 125mA, up to 8x 350Ω or 16x 700Ω load cells, 4 or 6 wire, maximum 1000 m/mm^2
INPUT VOLTAGE RANGE AND SENSITIVITY	-5mV to +19mV. Minimum 0.05 µV/division (0.4 µV/division approved)
ZERO ADJUSTMENT INPUT RANGE	-5mV to +19mV
OPERATING ENVIRONMENT	-15ºC to +55ºC; max. 90% RH (80% RH, -10~40ºC approved), non-condensing. IP67 sealing.
ENCLOSURE AND DIMENSIONS	Stainless steel, IP67 protected. Wall type: 260x200x65, Desk type: 250x180x85, weight 2.3kg
POWER SUPPLY	Integral cable, 100-240 VAC (100-125VAC with USA plug), 50-60 Hz. 12VDC (12-28) configurable.

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 5 steps for standard weighing, Programmable dynamic (animal) weighing filter.
WEIGHING FUNCTIONS	Taring, zeroing, auto zero tracking, motion detection, auto zero at power up, tare status save at power off, increased resolution, automatic tare and clear, temporary gross indication, unit change.
STANDARD APPLICATIONS	Labelling, relay setpoints, functional digital outputs, livestock weighing, check-weighing, classifying, filling, counting and high resolution scales.
APPLICATION MEMORY	Standard Memory to save limit values of your industrial weighing. Memory size is 500 item records.
DYNAMIC (ANIMAL WEIGHING)	Supported by smart dynamic weighing algorithms

COMMUNICATION

RS-232C	2x 3 wire ports. Opto-isolated. 1200 to 57600 baud, 7/8-E/O/N-1.
RS-485	1200 to 57600 baud, 7/8-E/O/N-1. Up to 31 stations.
USB	Standard USB for Mini-B cable (internal on PCB).
OPTION BOARDS	Digital I/O, Analogue output.
DATA OUTPUT	Demand (BSI-BASE, BSI-PRO), Continuous and Fast Continuous.

PRINTING/WEIGH TICKET

TICKET FORMAT	Programmable for different weighing modes. Format may include Date, Time, Ticket No, Gross, Tare and Net weights. 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, Spanish, Italian, Turkish

MODELS AVAILABLE

Model	Features	Part Numbers
PT620DM	Standard PT620 Desk Mount – The desk mount has a sloping panel, will also wall mount with cables at the rear.	EP620DM00USXXX, EP620DM00UKXXX, EP620DM00EUXXX, EP620DM00AUXXX
PT620WM	Standard PT620 Wall Mount – The wall mount has a flat panel with cables exiting in the front.	EP620WM00USXXX, EP620WM00UKXXX, EP620WM00EUXXX, EP620WM00AUXXX
PT620PM	Standard PT620 Panel Mount	EP620PM00USXXX, EP620PM00UKXXX, EP620PM00EUXXX, EP620PM00AUXXX

Options**

MOUNTING	Column mount kit, Wall mount kit, 2D Swivelling wall mount kit
ALIBI MEMORY	999999 records
DIGITAL INPUT/OUTPUT	Optoisolated 4 digital input, 12 to 28 VDC, 10mA / 5 relay contacts, 250 VAC or 30 VDC, 0.2A
ANALOGUE OUTPUT	0-5 VDC, 0-10 VDC, >10 kΩ / 4-20mA, 0-20mA, <500 Ω. 60000 steps, up to 300m.

**The full range of available options are listed on the PT web site.

Features\Models	Desk Mount	PT610DM	PT620DM	PT630DM
	Wall Mount	PT610WM	PT620WM	PT630WM
	Panel Mount	PT610PM	PT620PM	PT630PM
Touch Free IR Keys (2 Keys)		n/a	n/a	Yes
Ethernet (TCP/IP) interface		O[1]	n/a	
Modbus (RTU /TCP)		O	n/a	O
PROFIBUS DPV1 interface + 4 Input/5 Relay Output		O[1]	n/a	O[1]
PROFINET interface + 4 Input/5 Relay Output				
Ethernet/IP interface + 4 Input/5 Relay Output				
CANopen interface + 4 Input/5 Relay Output				
EtherCAT interface + 4 Input/5 Relay Output				
CC-Link interface + 4 Input/5 Relay Output				
Powerlink interface + 4 Input/5 Relay Output				
2 Platform weighing		n/a	n/a	O
BSI data interface (BSI-PRO command set)		n/a	Yes	
Classifying by weight				
Check-weighing				
Filling				
Dynamic/Animal weighing				
Piece Counting				
Weight Totalling				
Piece Totalling				
Pre-Tare entry				
Pre-Tare value storage (500 values)				
ID data (ID1, 500 records for stored items)				
ID Data (ID2, second set 500 records)				
Average Piece Weight storage for counting (500 values)				
Alibi Memory (999999 records)		O		
Dynamic/Unstable load weighing		Yes		
Setpoint storage (500 sets)				
Unit selection (g, kg, t, lb, oz)				
Unit Switching (kg/lb, g/oz)				

O = Option. O[1] = Only one Option can be installed at a time.

Features\Models	Desk Mount	PT610DM	PT620DM	PT630DM
	Wall Mount	PT610WM	PT620WM	PT630WM
	Panel Mount	PT610PM	PT620PM	PT630PM
Docket Printing		Yes		
Label Printing (with Barcode[2])				
Auto-zero tracking and auto-zero at power-up				
Motion detection				
Adaptive digital filter for faster measuring				
Electronic calibration (vCal) without test weights				
Electronic calibration (vCal) over field bus				
Zeroing and Taring via fieldbus				
Zero and Span calibrations over field bus				
Zero adjustment without span change				
Span adjustment with test weights				
Span adjustment without unloading the scale				
3 point calibration (linearity correction)				
Programming by PT AzCom PC software				
8 load cells 350 Ω or 16 load cells 700 Ω				
100 – 240 VAC				
12 to 28 VDC power supply range				
1 000 to 999 999 display resolution				
High internal resolution up to 16 000 000 counts				
Up to 800 conversion per second				
RS-232C Serial interface				
RS-232C Second Serial interface				
RS-485 Serial interface				
USB Serial Interface				
BSI data interface (BSI-BASE command set)				
Continuous data output				
Fast Continuous data output				
4 Digital Inputs, 5 relay outputs (DI/O)		O[1]		
Analogue output (4–20, 0–20mA,0–5, 0–10VDC)+DI/O				

2 = Third party barcode software required. n/a = Not Available

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ESTABLISHED IN 1979
BETTER VALUE BY DESIGN