

Weighing Indicator Comparison

Eleven indicator models compared by job: legal weighing, price computing, ticket printing and process control

- Load cell drive capability and bridge compatibility
- Housing material and protection rating per model
- Printing, record storage and control output options
- Display size, power and interface data

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How To Read This Guide

The indicator is where a weighing project usually goes wrong: the scale weighs correctly but the head will not print the ticket, drive the relay or hold the calibration under a stainless steel hose. These eleven models are grouped by job rather than by part number, so you can pick by what the head has to do on site.

XK315A1 Weighing Indicator

The XK315A1 is the general purpose head in this range: a plastic housing with a 6 digit 20.2 mm red LED display that drives up to four 350 ohm or eight 700 ohm load cells. It covers the everyday functions a platform scale needs, including counting, animal weighing, accumulation and printing, and runs 30 hours on a full charge.

Housing	Plastic, 265 x 165 x 170 mm
Display	6 digit 20.2 mm red LED
Load cell drive	4 x 350 ohm or 8 x 700 ohm
Battery operation	30 hours from full charge
Interfaces	RS232 standard, RS485 optional, D/A 4-20 mA optional
Functions	Counting, animal weighing, hold, accumulation, printer
Units	Selectable kg and lb
Operating temperature	0 to 40 degrees C

XK315A1GB-L Stainless Steel Weighing Indicator

The XK315A1GB-L is the stainless steel version of the general purpose head, with a larger 6 digit 25.4 mm LCD and a LO-OK-HI set point function. The stainless housing suits wet benches and food areas, and the set point function turns any platform into a check weighing station without extra hardware.

Housing	Stainless steel, 265 x 222 x 161 mm
Display	6 digit 25.4 mm LCD
Load cell drive	4 x 350 ohm or 8 x 700 ohm
Battery operation	30 hours from full charge
Interfaces	RS232 standard, RS485 optional
Functions	LO-OK-HI set point, counting, animal weighing, hold, accumulation, printer
Units	Selectable kg and lb
Operating temperature	0 to 40 degrees C

XK3190-A12 Weighing Indicator

The XK3190-A12 family is built around fast, high precision analogue to digital conversion with a readability of 1 in 30000 and software written to reject vibration. It is intended for platform scales, floor scales and weighing systems using one to four load cells, and is available with an LCD or LED display.

Models	A12, A12S, A12E, A12ES
Input signal range	-10 mV to 15 mV
Input sensitivity	1 microvolt per division
Load cell excitation	5 V DC at 150 mA
Maximum load cell connection	4 at 350 ohm
Display	6 bit LCD or 6 bit LED with 6 status indications
Interface	RS232C serial communication, optional
Transmission distance	RS232C up to 30 metres

XK3118T6-P Printing Weighing Indicator

The XK3118T6-P puts the printer inside the head. A 57 mm thermal micro printer, a real time clock that survives power off and 20 bit delta sigma conversion make it the head to choose where every weighing has to leave a dated ticket without adding an external printer to the bench.

Display	6 bit LCD with clock display
A/D conversion	Delta sigma technique, 20 bit
Load cell drive	1 to 4 cells at 350 ohm, 5 V DC bridge supply
Printer	Internal thermal, 57 mm paper, reel up to 40 mm diameter
Division value	1, 2, 5, 10, 20, 50 or 100 selectable
Power	AC 110 to 220 V, 50 to 60 Hz, optional external DC 6 V 7 Ah battery
Dimensions / weight	240 x 173 x 187 mm, about 1.15 kg
Operating conditions	0 to 40 degrees C, humidity up to 85 percent RH non condensing

KW OIML Approved Weighing Indicator

The KW is the economical OIML approved head in this range. Internal resolution of 1 in 600000 with 6000d approved divisions covers most trade weighing, and the application set, including check weighing, simple parts counting, accumulation, auto print and unit conversion, covers most of what a general purpose bench needs. Battery life is up to 70 hours of continuous use.

Display	24 mm LCD with white LED backlight
Internal counts	600000
Maximum divisions	30000 maximum, 6000d approved
A/D update	10 readings per second or better
Housing	ABS plastic
Keypad	7 key membrane switch
Power	AC adapter 12 V 500 mA, rechargeable battery 6 V 4 Ah
Packing	Master carton 4 in 1, gross 11.5 kg, 0.16 cubic metres, 1010 units per 20 ft and 2020 per 40 ft container

KP Price Computing Weighing Indicator

The KP is the price computing head in this range, built for counters and market stalls where weight has to become a price on the spot. A 20 key keypad, preset tare, accumulation and unit conversion cover the retail transaction, and the head supports platform capacities from 30 kg to 600 kg.

Display	20 mm backlit LCD
Capacities supported	30 kg to 600 kg
Internal counts	600000
Maximum divisions	30000d
Keypad	20 keys
Load cell drive	4 x 350 ohm, excitation 5 V 150 mA
Power	AC adapter 12 V 500 mA, rechargeable battery 6 V 4 Ah
Packing	Master carton 4 in 1, gross 11.5 kg, 0.106 cubic metres, 1010 units per 20 ft and 2020 per 40 ft container

XK3119WM Stainless Steel IP67 Weighing Indicator

The XK3119WM is the IP67 certified stainless steel head built by module production. It is moisture proof, waterproof and dustproof, offers four weighing units and an animal weighing mode, and uses a high brightness LED display with three selectable colours so the same head suits a bright loading bay or a dim processing hall.

Housing	Stainless steel, module production
Protection	IP67
Display	High brightness LED, three selectable colours; LCD version XK3119WP
Units	kg, lb, oz, ct
Load cell drive	Up to 4 cells
Power	AC or DC adapter, rechargeable battery
Interfaces	Optional RS232C or RS485 and print out port
Functions	Animal weighing, data accumulation for weight and count, selectable auto power off

XK3119WL Stainless Steel IP67 Weighing Indicator

The XK3119WL is the LCD member of the IP67 stainless family, and the one to pick when operators need to hear rather than read the result. Its check weighing mode sounds a HI, LO or OK alert, which keeps a packing line moving without anyone staring at the display.

Housing	Stainless steel
Protection	IP67 waterproof, dustproof, anticorrosive, moisture proof
Display	LCD
Units	kg, lb, oz, ct
Load cell drive	Up to 4 cells
Power	AC 100 to 220 V with adapter, 6 V 4.5 Ah rechargeable battery
Interfaces	RS-232C or RS-485, printer port
Functions	Check weighing with HI LO OK buzzer, animal weighing, accumulation, automatic power saving

XK315A6GB Stainless Steel Truck Scale Indicator

The XK315A6GB is the weighbridge head: stainless steel housing, a 6 digit 20 mm green LED display, drive capability for eight 350 ohm or sixteen 700 ohm load cells, and the record keeping a gate actually needs. It stores up to 200 vehicle numbers with their tares and 1000 weighing records, and classifies statistics by vehicle, goods number and daily or monthly report.

Housing	Stainless steel, 320 x 200 x 180 mm
Display	6 digit 20 mm green LED
Load cell drive	8 x 350 ohm or 16 x 700 ohm
Record storage	200 vehicle numbers with tares, 1000 weighing records
Printing	Optional built in micro printer, parallel port for 24 pin dot matrix printer
Interfaces	RS232 standard, RS485 optional
Protection features	Display locks above 130 percent of full scale, low battery indication and auto power off
Packing	4 pieces per carton, 42 x 60 x 60 cm, 23 kg

XK315A6P Printable Truck Scale Indicator

The XK315A6P is the plastic housing weighbridge head with the micro printer built in and a 6 digit 30.5 mm red LED display, which is the largest in this indicator range. It carries the same vehicle and record storage as the stainless version, so a dry cabin can have the full weighbridge feature set at a lower cost.

Housing	Plastic, 320 x 200 x 180 mm
Display	6 digit 30.5 mm red LED
Load cell drive	8 x 350 ohm or 16 x 700 ohm
Printer	Built in micro printer, parallel port for external 24 pin dot matrix printer
Record storage	200 vehicle numbers with tares, 1000 weighing records
Interfaces	RS232 standard, RS485 optional
Protection features	Display locks above 130 percent of full scale, low battery indication, auto power off
Packing	6 pieces per carton, 40 x 93 x 53 cm, 23 kg

XK3101 Weighing Control Indicator

The XK3101 is the process control head in this range. An aluminium housing designed to embed in a control cabinet, isolated serial communication with Modbus and optional Profibus, and ten optically isolated on-off channels make it the head to use when weight has to drive a valve, a feeder or a DCS rather than a display.

Display	7 bit VFD vacuum fluorescent display
Housing	Aluminium, designed for control cabinet mounting
Serial interfaces	Isolated RS232 and RS485, Modbus
Fieldbus	Profibus optional
Digital I/O	4 inputs and 6 OC outputs, optical coupling isolation
Analogue output	4-20 mA or 0-10 V optional
Auxiliary supply	DC 12 V 300 mA built in
Accuracy class	Class III

Questions Buyers Ask

Will these indicators work with my existing load cells?

They are analogue heads designed for standard strain gauge bridges. Check that your cells present 350 ohm output resistance and an output sensitivity of 2 mV/V or 3 mV/V, which covers every load cell family in this catalogue, and confirm the excitation voltage range with us before ordering.

Which indicator do I need for legal trade use?

Use an OIML approved model, and match the approved division count to the scale you are building. Send us the capacity and division you intend to certify and we will confirm which heads carry the approval that covers it.

Can the indicator print a weighbridge ticket?

Yes, choose a printable model. Truck scale sets are normally supplied with a printable head so each vehicle movement produces a ticket.

Are stainless steel housings available?

Yes. Stainless steel housings are offered for truck scale and washdown positions, and plastic housings for dry indoor cabins.