

KDQ SERIES +/- AND STATISTICAL WEIGHT CHECK SCALES

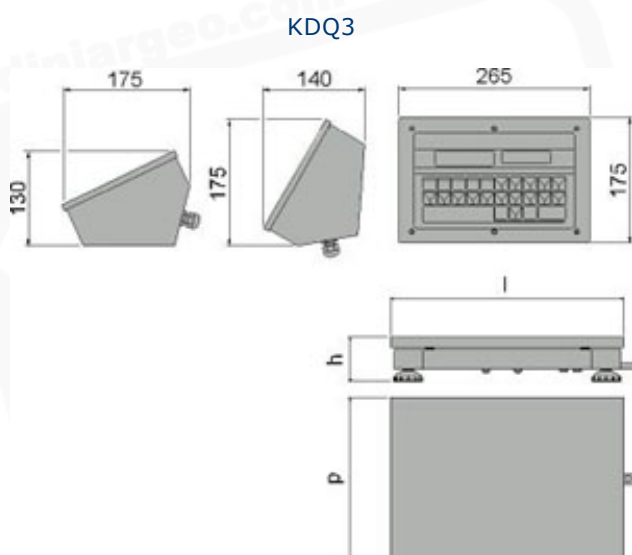
Scales suitable for statistical legal for trade checking (according to EEC 76/211 norm) or for custom-made statistical checking. Ideal for a quick and reliable check of prepacked goods during production. Manufactured according to OIML R-76 / EN 45501 standards.

CE-M APPROVED version also available for up to 4 platform



MAIN FEATURES

- Indicator with alphanumeric 24-key waterproof keyboard. Ergonomic metal case protected against dust and water according to IP54 standards (IP65 Stainless Steel model available)
- Main semialphanumeric red LED display with 6 digits 15 mm high
- Secondary alphanumeric backlit LCD display with 2 lines of 16 char. each. Synoptic bar graph with 16 bright indication LEDs showing the active functions.
- Permanent time/date and data storage even in the case of mains voltage power cuts.
- Digital calibration and set-up configurable from the keyboard
- Instrument management & configuration from PC with DINITOOLS V.3
- A.C.W. (Automatic Calibration Warning) automatically advises to check the configurable calibration.
- Functions with one aluminium IP65 load cell;
- Black oven-fire painted steel tubular structure, adjustable resting feet and level.
- Stainless steel satined loading surface in AISI 304.
- 3m cable between platform and indicator.
- 12 Vdc power supply with fitted external 110-140 Vac adapter.



STANDARD I/O SECTION made up of:

- RS232/C output configurable for printer.
- RS232/C bi-directional port configurable for PC, PLC or additional display.

GENERIC FUNCTIONS

- Zeroing; Gross/Net selection; Manual or automatic totalisation, upon stability of weight or only if within tolerance. Horizontal (total of various consecutive weighs).
- Calculation function on the displayed weight: it is possible add, subtract or multiply a value of up to 7 digits to the value shown on the display. The result of the operation is shown on the LED display for a few seconds and is printable.
- Automatic tare; Presetable tare; lock/unlock tare function.
- Keyboard lock/unlock function.
- Possibility of connecting an approved precision scale to the third PC serial port (optional)
- 15 configurable and printable ID texts, each of 16 characters, i.e.: Code, lot ID, operator ID, shift number, etc.
- Database of 500 articles with: 2 alphanumeric description of 20 characters, density coefficient, nominal weight, Three +/- tolerance levels (T1, T2, T3), linked tare.
- 4 levels of resettable totals which may printed in an independent way: partial total, general total, grand total, total by article;
- Programmable printing from keyboard or from PC of 8 print formats (Print key, Totalisation, Lot outcome, Article total, Partial total, General total, Grand total, first weigh heading); each print format can contain 512 positions which may be direct ASCII codes or preset print blocks (i.e. Company name, weigh and lot progressive, gross, tare and net weight, article description, average weight, standard deviation, nr. of off tolerance samples, test outcome, date and time of beginning/end check, etc.)
- Prints list of last 50 weighs; prints article database with each article's weight data

STATISTICAL AND PRINTING FUNCTIONS:

- Statistical check function, selectable as CUSTOMIZED or ACCORDING TO LEGAL NORMS (as provided for by the directive N. 76/211/EEC) with acceptance/refusal criteria of the lot under examination.
- Possibility of selecting the DESTRUCTIVE or NON DESTRUCTIVE legal control.
- Calculation and printing of the lot outcome and of the standard deviation.
- Quantity check in ml through the entry of a density coefficient for each article.
- Management of production lines: it is possible to manage up to 10 products simultaneously on one or more scales (up to 1 scale for each line).
- Programmable printing from keyboard or from PC of 8 print formats (Print key, Totalisation, Lot outcome, Article total, Partial total, General total, Grand total, first weigh heading); each print format can contain 512 positions which may be direct ASCII codes or preset print blocks (i.e. Company name, weigh and lot progressive, gross, tare and net weight, article description, average weight, standard deviation, nr. of off tolerance samples, test outcome, date and time of beginning/end check, etc.)
- Prints list of last 50 weighs and article

EXTRAS AVAILABLE:

- Column or stainless steel bracket for fixing to the wall.
- Attached printer.
- Connection to remote precision balance (legal for trade approved).
- Connection to a 2nd platform.
- Inputs and relay outputs for managing synchronism with PLC.
- Control light box for an acoustic/visula indication.
- Wincheck software for managing from PC a network of statistical check stations.

Available versions



Code	Dimensions (LxPxH) mm	Capacity g	CE-M Division g (*)	CE-M2 Division g (*)	HR Division g (*)	Packs MIN/MAX weight
KDQ1	Ø 178 x 45	1500	0,5	--	0,05	50 g - 1,5 kg
KDQ3	230x330x90	3000	1	--	0,1	200 g - 3 kg
KDQ6	230x330x90	6000	2	1 / 2	0,2	2 kg - 6 kg
KDQ15	330x330x90	15000	5	2 / 5	0,5	2 kg - 15 kg
KDQ30	330x330x90	30000	10	5 / 10	1	5 kg - 30 kg

(*) These divisions are obtainable only with the relative options

Options to be specified when ordering

Code	Description
ECEM1	CE-M 3000e approval service
ECEM2	CE-M 2x3000e (dual range) approval service
EHR	High resolution model for internal factory use
OBTPR	Attached thermal printer option box with >50mm/sec speed, 203 dpi resolution, 24/40 columns, 58 mm paper width; 50 mm Roll diameter; rechargeable 4.5Ah battery is included
OBCLT	Three way control light option box with programmable acoustic signal, attached to the indicator
35BA	6 Volt 4.5 A/h rechargeable built-in battery (can not be combined with 35IOK)
35IOK	Expansion board with 4 optoisolated inputs and 8 relay outputs, 2 slots for housing up to 2 analogue outputs, switching power adapter for power supply from 12 to 24 Vdc (**)
35RS485	RS485 port option
35RS422	RS422 bidirectional port option
LCCBC	Scale connection with 7-pole male connector + female connector (to be welded)
LCCB5C	Scale connection with 7-pole male connector + female connector with 5m cable
LCCB10C	Scale connection with 7-pole male connector + female connector with 10m cable
IFKBRD	Serial interface for remote scale connection and PC keyboard or bar code reader input (must be combined with KBCBC cable)
KBCBC	Cable with MINI DIN connector for PC keyboard connection (must be combined with IFKBRD serial interface)
PRNSERV	Configuration and custom-made printouts on TRI, TRS03, 3590M3 indicators, on OBTPR/TM295/LX300 printers. NET PRICE
APRNSERV	Configuration and custom-made printouts on TRS, 3590M3, AF01-05 indicators with LP542PLUS/TTP243/Witty280/Smart280 labellers at our premises; includes the formatting of up to 4 print formats from those available from the software (print, totalisation, article total, partial total, etc...). NET PRICE. For complex formatings (like logo insertion) the cost will be upon price estimate.
TECSUP	Technical assistance by telephone or at our premises for instrument configuration and printout formatting - NET PRICE
TECMAN	Printed technical manual (downloadable from the web, free) NET PRICE

Accessories

	Code	Description
	TSNC	Attached indicator support stand for 230x330 platform TSN h=230 mm
	TTNC	Attached indicator support stand for 330x330 platform h=360 mm
	+LP542PLUS+	Thermal labeller with peel-off mechanism; resolution of 8 dots/mm, max. label width of 104 mm with thermographic paper, max. speed of 76 mm/sec., RS232/C and parallel interface. Prints most common BARCODES. Power supply with external 100/240 Vac adapter. With 1.5m connection cable. (supplied with 1 roll of 63,5x80 labels ET638T500)
	TTP243	Thermal and direct transfer labeller with peel-off option; Resolution of 8 dots/mm, max. thermal label width of 104 mm, max. speed of 100 mm/sec.; RS232/C and Parallel interface. Prints all the most common BARCODES. Power supply with external 100/240 Vac adapter. 1.5m connection cable (supplied with 1 63,5x80 ET638T500 label roll)
	PCKBRD	Extended PC keyboard

