

KDQ SERIES SCALES FOR STATISTICAL AND +/- WEIGHT CHECKING



KDQ30

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

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 platforms

MAIN FEATURES

- 24-key alphanumeric and functional waterproof keyboard.
- Highly efficient red LED 6 digit 15mm display.
- **Large alphanumeric backlit LCD display** with 2 lines of 16 char. each. Synoptic bar graph with 16 bright indication LEDs showing the active functions.
- Easy to clean **ABS waterproof IP65** enclosure built to withstand harsh treatment and corrosive environments; with adjustable working angle for setting on a bench, column or wall; 278x130x186 mm size
- Permanent time/date and data storage even in the case of mains voltage power cuts.
- Digital calibration and set-up through keyboard or PC with DINITOOLS
- 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.
- Built-in rechargeable battery (60- hour life with one 350-Ohm load cell) and 110 - 240 Vac power supply.

STANDARD I/O SECTION made up of:

- Configurable full-duplex RS232/C port for connection to printer, labeller, or with other external units.
- Configurable full-duplex RS232/C port for PC, PLC, or with other external units; direct RS232/RJ connection
- Three 0.5A 48 Vac / 1A 24 Vdc relay outputs (NO or NC) which may be configured as programmable weight thresholds or as +/- check.
- 2 optoisolated inputs configurable as remote function keys.

STATISTICAL 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).

OPTIONS ONLY AVAILABLE AT TIME OF ORDER

- 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/visual indication.
- Wincheck software for managing from PC a network of statistical check stations.

Available versions

Code	Dimensions (LxPxH)	Capacity [g]	CE-M Division [g] (*)	CE-M2 Division [g] (*)	HR Division [g] (*)	Packs MIN/MAX weight CE-M
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 only available at time of order

Code	Description
ECM1A	CE-M 3000e initial stamping for class III or IIII scales with capacity from 1 to 30 kg
ECM2A	CE-M 2x3000e initial stamping for class III or IIII scales with capacity from 1 to 30 kg
EHR	High resolution model for internal factory use
OBTPRP	Attached thermal printer in ABS option box for ...XP indicators with 50mm/sec speed, 203 dpi resolution, 24/40 columns, 58 mm paper width; 50 mm Roll diameter.
OBMDP	Attached thermal printer and memory data printer (fitted with a memory card) in ABS option box for ...XP indicators
OBMMC	Attached Memory Data Printer option box with memory card for easy storage and transfer of the weighs to any Personal Computer (complete of memory card); mounted attached to the indicators with ABS case
OBCLTP	Three way control light option box in ABS with programmable acoustic signal, graph bar controller, attached to the indicator
OBRF	External 868 MHz radio frequency module for weight indicator/repeater , with ABS IP65 protecting box and 3m RS232 connecting cable; power supply from weight indicator/repeater. Max. functioning distance, in appropriate environmental and installation conditions : 70m indoors, 150m outdoors. 50 configurable channels. (OBRF must be combined with another radio module).
OBRFUSB	868 MHz radio frequency module for PC , with PVC box and 1m USB/mini USB connecting cable; power supply directly from the USB port. Max. functioning distance, in appropriate environmental and installation conditions : 70m indoors, 150m outdoors. 50 configurable channels. (OBRFUSB must be combined with another radio module).
35ALMEM	Alibi memory (fiscal memory) max. 120.000 weighs
WIFIT	WI-FI interface for wireless connection (through access point) to the company computer system.
ETH	Ethernet bidirectional port, speed from 10 to 100 Mbps, TCP, UDP, IP, ARP, ICMP, Ethernet Mac protocols
ETHCBRJ	Ethernet cable, 1.5m long, for connection between indicator and PC network (necessary for ETH option)
USBMB	USB interface, as an alternative of the standard connector, for quick connection of the indicator to PC
USBCABMB	USB cable for connection between indicator and PC (to be used with USBMB)
35RS485	RS485 port option
35RS422	RS422 bidirectional port option
LCCBC	Shielded 6-pole cable, 50cm length, for connection to weight indicator, with AMP connector indicator side and 7-pole female solder connector.
LCCB5C	Shielded 6-pole cable for connection to weight indicator, made up of a 50cm cable with AMP female connector and 7-pole male connector + extension of 5m with 7-pole female connector.
LCCB10C	Shielded 6-pole cable for connection to weight indicator, made up of a 50cm cable with AMP female connector and 7-pole male connector + extension of 10m with 7-pole female connector.
IFKBRD	Serial interface for connection to PC keyboard / bar code reader (to be combined with KBCBC cable) and for remote scale serial connection
KBCBC	Cable with MINI DIN connector for PC keyboard connection (must be combined with IFKBRD serial interface)

Accessories

Code	Description
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TSNC	Attached indicator support stand for 230x330 platform TSN h=230 mm
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TTNC	Attached indicator support stand for 330x330 platform h=360 mm
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LP542S	Thermal labeller with peel-off system: resolution of 8 dots/mm; max. label width of 112 mm; max. speed of 127 mm/sec; RS 232/C, parallel, and USB interface. Printing of the most common BARCODES. Power supply with external 100/240 Vac power adapter. Connection cable of 1,5 m.
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PCKBRDE	Extended PC keyboard
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