

The Bizerba logo is displayed in a bold, white, sans-serif font. It is positioned in the upper right quadrant of the image, partially overlapping the stainless steel surface of the scale and several red highlighters.

... closer to your business

... Everything perfectly under control ...

... Bizerba compact and precision scales ITC-3 and EL-3



Irrespectively of whether they are used in incoming goods, production, storage or shipping departments, the easy-to-use Bizerba compact and precision scales meet the versatile requirements highly efficiently for control, commissioning and stocktaking as well as packaging, delivery and documentation.

... efficiently, of course ...

Weighing and counting competently

The control and display unit of the scales is available as a table-top unit, on a stand and for wall mounting. The function of the ITC-3 compact scales is limited to weighing and simple counting. Series EL-3 is available for more demanding counting tasks and higher precision. It can be operated as a counting system along with the reference scales EL 1000. The advantage is that you have one display only, and thus you will never have to ask yourself which keypad to use and which display to read. Pushing a button is all you have to do to switch between the display of the number of units and the weight.

Also available with the operating unit on a stand



Weighing with add-up function



Counting with add-up function





Compact scales ITC-3

Precision scales EL-3



Simply even more possibilities

Weighing and counting is not enough? Bizerba's EL-3 precision scales offer additional user-friendly applications:

■ **Systematic back-tracing**

Three numeric signs for article, batch and operator number, for example, ensure transparent back-tracing.

■ **Checking unit or weight including statistic calculations**

The red-green-yellow tolerance display as well as an acoustic signal is used to provide the operator with immediate feedback on the tolerance status. The simple process control supports statistical values, such as mean value, standard deviation, process capability and range.

■ **Adding up weight values or number of units**

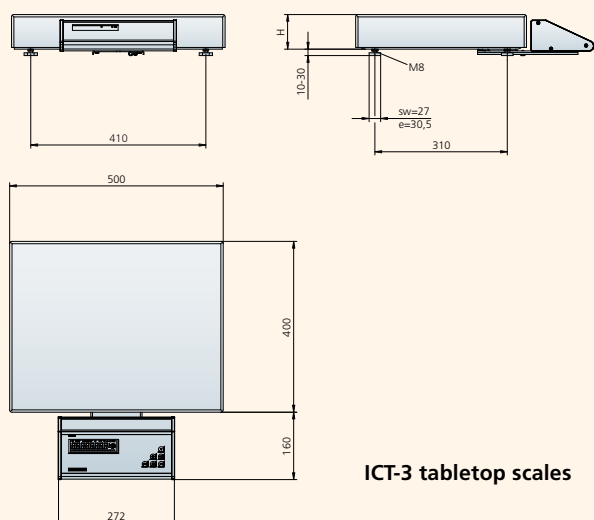
By pushing a button, the display of the current unit weight can be switched to sum display. Optionally, a unit can be tared automatically (total net function for easy formulation) after it has been saved to the sum memory.

■ **Display of information**

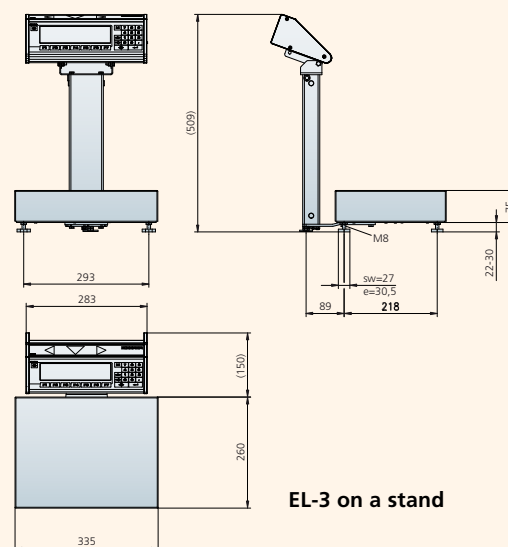
Reference weights, setpoint value and tolerance, current and accumulated gross, tare and net weight as well as current and accumulated number of units, unit counter and statistical values are displayed, even if no printer has been connected for recording.

■ **Saving article data and tare values**

Instead of handling reference lists awkwardly, the operator has access to the contents of 99 password-protected article memory locations and 40 tare memory locations.



ICT-3 tabletop scales



EL-3 on a stand

Precision compact scales EL-3

Display/operating unit, display attachment

- Display/operating unit optionally
 - as tabletop unit
 - on a stand
 - located remotely
 - for wall mounting: cable length 5 m
- Plus/minus display by **3 LEDs (red/green/yellow)** integrated in the display housing with adjustable acoustic signal output.
- Large backlit LCD seven-segment display; external dimensions 165 x 55 mm, consisting of
 - 8-digit seven-segment display to show the weighing/counting results; height of figures 17 mm
 - linear bar graph
 - 21-digit dot matrix display for labelling the functions of the soft keys; height of figures 12 mm
- 7 function keys directly below the 21-digit dot matrix display; numeric keypad with Clear and Enter key; memory key as well as keys for the functions Tare, Delete tare, Set to zero, On/Off button; buttons with mechanical pressure point and acoustic response

Materials - load receptor

- Bell-shaped load plate made of stainless steel
- Load carrier:
 - load plate size 335 x 260 mm - stainless steel
 - load plate size 500 x 400 mm - galvanised
 - reference scales EL 1000 (M) - aluminium
- Base carrier - galvanised

Measuring transformer (ADW)

- Integrated analogue/digital converter with its own micro-processor; internal uncalibrated resolution of 750,000 d maximum

Mains connection - single-phase alternating voltage

- 230 V AC, +6/-10 pc, 35 mA, 50 (60) Hz, +2 to -2 pc, connection by plug-in power supply unit (output max. 12 V DC) with a connecting cable of about 2 m

Type of protection

- Optionally IP 41 or IP 65 (IP 65 models not suitable for moist rooms)

Modes of operation

- Weighing, counting with increase resolution and optimisation, auto-count function, Euro count function, tolerance check for number of units or weight with calculation of the statistical values: mean value, standard deviation, process capacity cp and cpk, bandwidth, net and total weight

Memory

- 99 article data/reference weight memory, 40 tare memory

Interfaces

- 2 asynchronous serial interfaces (RS 232) - standard feature
- interface to connect reference scales EL 1000 (M) - standard feature
- non-isolated static I/O (3 E/4 A) - standard feature

Ambient temperature

- operation +5 °Celsius to +30 °Celsius
- storage -10 °Celsius to +50 °Celsius

EU Type Approval by PTB

- granted under No. D00-09 013

Weighing ranges (g) Digital step d (g) Calibrated values e (g) Load plates (mm)

7500	d = 0,1	Uncalibrated	335 x 260
7500	d = 0,1	Minimum load NSW 90/384/EEC = 5 g e = 1 Minimum load NSKW (FPV, D) = 5 g	335 x 260
16500	d = 0,2	Uncalibrated	335 x 260
16500	d = 2 e = 2	Minimum load NSW 90/384/EWG = 100 g Minimum load NSKW (FPV, D) = 500 g	335 x 260
35000	d = 0,5	Uncalibrated	335 x 260
35000	d = 5 e = 5	Minimum load NSW 90/384/EWG = 250 g Minimum load NSKW (FPV, D) = 2500 g	335 x 260
65000	d = 1	Uncalibrated	500 x 400
65000	d = 1 e = 10	Minimum load NSW 90/384/EWG = 50 g Minimum load NSKW (FPV, D) = 4000 g	500 x 400

Note: Data for minimum load NSKW (FPV) applicable in Germany.

Compact scales ITC-3

Display/operating unit, display attachment

- Display/operating unit optionally
 - as tabletop unit
 - on a stand
 - located remotely
 - for wall mounting: cable length 5 m
- Reflective LCD seven-segment display, height of figures 15 mm, 8 digits, with integrated dimension signs and accessible symbols
- Polyester membrane keyboard, function key as well as keys for the functions Tare, Delete tare, Set to zero, Print, Reset; buttons with mechanical pressure point and acoustic response

Materials - load receptor

- Bell-shaped load plate made of stainless steel
- Load carrier:
 - Blood plate size 335 x 260 mm - stainless steel
 - load plate size 500 x 400 mm - galvanised
 - load plate size 600 x 450 mm - galvanised
 - load plate size 800 x 600 mm - galvanised
- Base carrier - galvanised

Measuring transformer (ADW)

- Analogue/digital converter with its own micro-processor; internal uncalibrated resolution 10 x of the display resolution, 120,000 d maximum

Mains connection - single-phase alternating voltage

- 230 V AC, +6/-10 pc, 35 mA, 50 (60) Hz, +2 to -2 pc, permissible harmonic distortion of the mains voltage = < 5 pc, connection by plug-in power supply unit (output max. 18 V DC) with a connecting cable of about 2 m. In case of strong noise spikes in the mains, the customer has to ensure noise suppression measures.

Type of protection

- IP 41 in keeping with German standard DIN 40050 (European standard EN 60529)

Modes of operation

- Weighing with adding-up function, counting

Interfaces

- 1 x RS 232 - standard feature, 2 x RS 232 - option

Ambient temperature

- operation +10 °Celsius to +40 °Celsius
- storage -20 °Celsius to +70 °Celsius

Temperature change speed

- max: % °C 7 H²

EU Type Approval by PTB

- granted under No. D97-09 014

Weighing ranges (kg) Digital step d (g)

15 kg ³⁾	d = 1 g	For load plate size 335 x 260 mm Load cell WS 50 Maximale Vorlast 15 kg
15 kg	d = 5 g e = 5 g min. 90/384/EWG: 100 g	For load plate size 335 x 260 mm Load cell WS 50 Maximum pre-load 15 kg
30 kg ³⁾	d = 1 g	For load plate size 335 x 260 mm Load cell WS 100 Maximum pre-load 40 kg
30 kg	d = 10 g e = 10 g min. 90/384/EWG: 200 g	For load plate size 335 x 260 mm Load cell WS 100 Maximum pre-load 40 kg
30 kg	d = 10 g e = 10 g min. 90/384/EWG: 200 g	For load plate size 500 x 400 mm Load cell WS 100 Maximum pre-load 30 kg
30 kg	d = 10 g e = 10 g min. 90/384/EWG: 200 g	For load plate size 600 x 450 mm Load cell WS 100 Maximum pre-load 25 kg
60 kg ³⁾	d = 20 g e = 20 g min. 90/384/EWG: 400 g	For load plate size 500 x 400 mm Load cell WS 200 Maximum pre-load 120 kg
60 kg ³⁾	d = 20 g e = 20 g min. 90/384/EWG: 400 g	For load plate size 600 x 450 mm Load cell WS 200 Maximum pre-load 100 kg
60 kg ³⁾	d = 20 g e = 20 g min. 90/384/EWG: 400 g	For load plate size 800 x 600 mm Load cell WS 200 Maximum pre-load 60 kg
150 kg ³⁾	d = 5 g	For load plate size 500 x 400 mm Load cell WS 200 Maximum pre-load 30 kg
150 kg	d = 50 g e = 50 g min. 90/384/EWG: 1000 g	For load plate size 500 x 400 mm Load cell WS 200 Maximum pre-load 30 kg
150 kg	d = 50 g e = 50 g min. 90/384/EWG: 1000 g	For load plate size 600 x 450 mm Load cell WS 200 Maximum pre-load 10 kg
150 kg	d = 50 g e = 50 g min. 90/384/EWG: 1000 g	For load plate size 800 x 600 mm Load cell WS 400 Maximum pre-load 120 kg
300 kg	d = 100 g e = 100 g min. 90/384/EWG: 2000 g	For load plate size 800 x 600 mm Load cell WS 400 Maximum pre-load 60 kg

¹⁾ When used as non-self-sustaining scales (NSW) of class III

²⁾ Under observation of the calibration error limit

³⁾ "uncalibrated" version

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