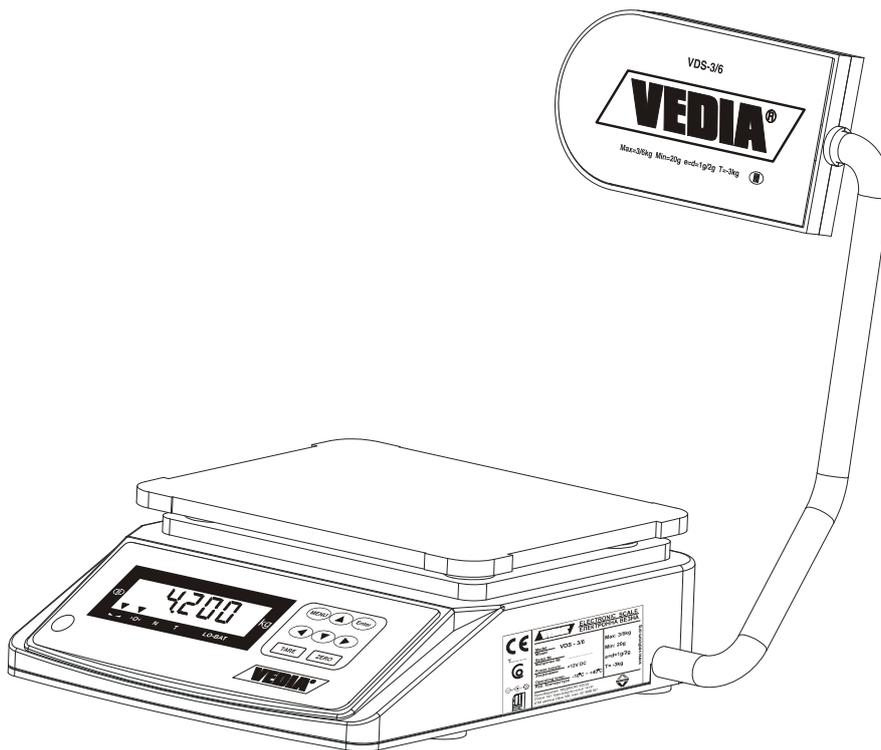


User Manual

ELECTRONIC SCALE



The product is designed and produced in the terms of applied Quality Management System ISO 9001:2008



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Attention! This passport is an integral part of the scale and it must be kept with it during the whole operating period.

The preparation for use with the initial start of the scale should be done only after thorough study of the instructions provided with this manual.

Unsealed and non-marked scale is not legal for trade. In case the scale is unsealed, immediately turn to an authorized agency so it can be checked and sealed. Validity of the sticker for conformity assessment of the product is till the end of the year that follows the one on the sticker. When the term expires, the scale is liable to re-verification from the authorized agency. Warranty term is valid only if the conditions of the warranty are adhered.

I. Contents of the package

After unpacking the scale, please check whether there are all components and documents listed below:

1. Electronic scale VEDIA (with required marking)
2. Platform (pan)
3. Adaptor
4. User's manual
5. Declaration of conformity

In case of missing, please immediately turn to the distributor you bought the scale from or directly to VEDICOM Ltd.

II. Brief Introduction

Electronic scales VEDIA are non-automatic weighing instruments with high accuracy, designed and produced in the terms of applied Quality Management System ISO 9001:2008 and intended for use in retails, warehouses, markets, laboratories and households.

Interfaces for connection with a cash register and a computer are optional. This expands the opportunities to operate with VDS scales. All scales from the range have built-in additional devices and functions such as information about the battery charge, thermometer, backlight and etc. The VEDIA VDS range of scales consists of 9 types, which vary in maximum capacity (3/6 kg, 6/15 kg, 6/30 kg и 15/30 kg). The mark “B” means this scale is for baby measuring, the mark “P” – scale for postal services.

Features:

- Highly accuracy load cell;
- Quick and precise weighing;
- ZERO and TARE functions;
- Software “damper” protection from vibrations and air draughts;
- Front indication for the customer, installed on convenient flexible tower;
- Overload warning and low battery warning;
- Plastic protector;
- Built-in rechargeable battery;
- Interface connection with cash register and computer (optional);
- Large LCD display;
- Backlight on the display;
- Built-in thermometer.

III. Technical characteristics

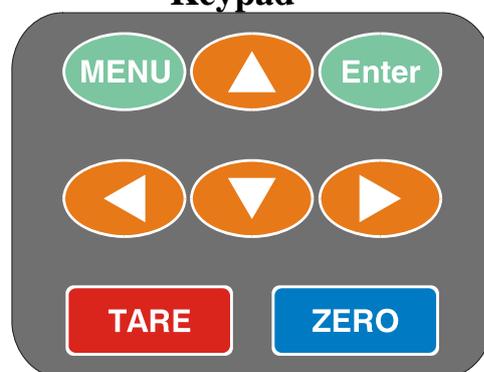
Модел**	VDS 3/6	VDS 6/15	VDS 6/30	VDS 15/30
	VDS 3/6P	VDS 6/15B	VDS 6/30P	VDS 15/30P
		VDS 6/15P		
Accuracy class	III –In conformity to EN45501/2001			
Maximum capacity	6kg	15kg	30kg	30kg
Minimal capacity	20g (5g)*	40g (10g)*	40g (10g)*	100g (25g)*
Maximum subtractive tare effect	-3kg	-7.5kg	-15kg	-15kg
Number of verification scale intervals	3000 for each interval			
Actual scale interval “d”	1g/2g	2g/5g	2g/10g	5g/10g
Value of the verification scale intervals “e”	1g/2g	2g/5g	2g/10g	5g/10g
Power source	Rechargeable battery 12V, 2.6Ah Adaptor AC/DC 220V, 50Hz / 12V, 500mA			
Display	LCD displays for the operator and for the customer			
Platform	280mm/ 215mm			
Dimensions of the scale	330mm (L) x 290mm (W) x 120mm (H)			
Net weight	4.7kg			

* - information in the brackets is for scales type P

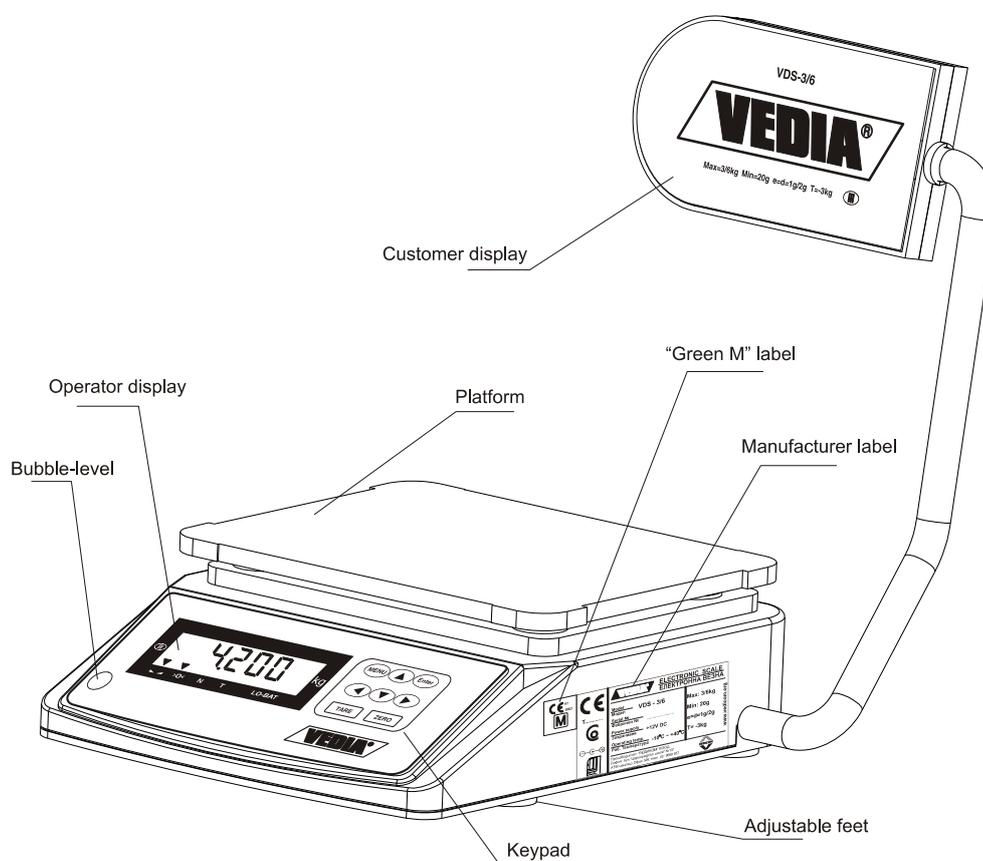
** - see the marked model characteristics

IV. Layout of the scale and its components

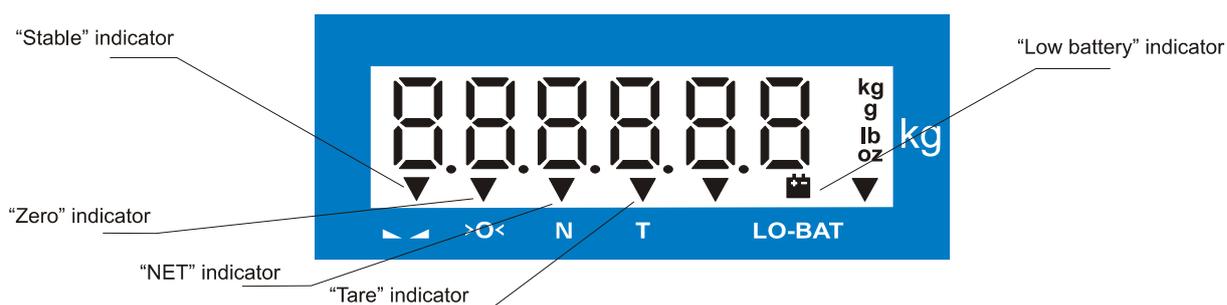
Keypad



LAYOUT OF THE SCALES “VEDIA” VDS... (P)



LCD display



V. Instruction for operation

1. Environment requirements:

- Operation temperature range: $- 10^{\circ}\text{C} \div + 40^{\circ}\text{C}$;
- Storage temperature: $- 25^{\circ}\text{C} \div + 40^{\circ}\text{C}$;
- Permissible relative humidity: $< 80\%$. Condense is not allowed.

2.Preparation for work and scale maintenance :

Before start using the scale, check whether the set is full. Check for mechanical damages which may have occurred during transportation. For the right functioning of the scale it is necessary to be placed on stable and flat surface; the four adjustable feet are used to level the scale. During the leveling watch the mounted in the down left angle bubble-level. After turning the scale on wait 10 minutes before starting to use it.

Attention!

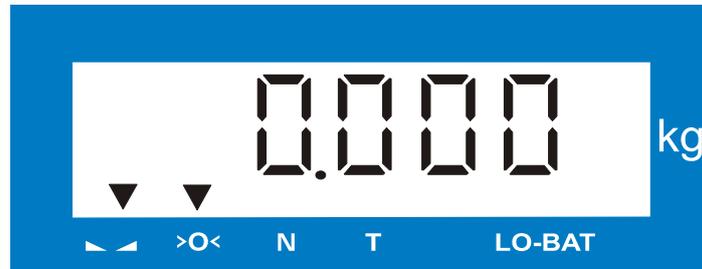
1. The scale is a precise instrument. Please, place it on flat surface and avoid serious hits. Loads over the maximum capacity can damage the load cell permanently. Avoid operating it on vibrating surfaces and close to sources of strong electro-magnetic fields;
2. Keep the scale in airy and dry place; avoid leaving it under direct sunlight;
3. Check the functionality of the display during the automatic testing of the scale after turning the power on;
4. Do not use chemical and abrasive dissolving agents for cleaning it. Please, clean the scale with wet cloth but avoid letting water into it;
5. Do not push the buttons too strongly and do not use sharp objects for this purpose.

3.Functions of the keys:

Key	Function
	Zero setting.
	Set and remove tare.
	Enter/return to the main menu.
	Enter in selected sub-menu. Adjustment/parameter conformation.
	Menu up.
	Menu down.
	Used in service mode.
	Used in service mode.

4. Operation with the scale in weighing mode:

4.1. Turn on and Turn off - Turning on and turning off is done by the On/Off switch, which is on the right at the bottom of the case. First the indication test starts, then for short the display shows the model and the software version. Then the scale is ready to work and the display shows:



4.2. Turn on and Turn off of the backlight - Turning on and turning off of the backlight is done by Back Light On/Off switch, which is on the left at the bottom side of the case.

4.3. Zero setting – If there is some minimal reading on the display, it can be zeroed by pressing  key.

4.4. Work with tare – After placing the package (tare) on the pan, press  key. Readings on the display is zeroed and the indicator „net weight“ lights up. This mean that next readings will be net weight. To remove tare, unload the scale. The display will show the weight of the tare with „-“ and the indicator „tare“ lights up. By pressing TARE key the scale is zeroed again.

4.5. Weight measuring – The item to be weighted is placed on the scale pan; the first line of the display shows the measured weight. The weight data are considered correct, when the indicator for stable reading lights up.

5. Work with the menus and service mode functions of the scale

To enter the main menu of the scale, press  key. To enter a submenu and confirm the select adjustment/parameter, press  key. Moving between the different submenu and parameters is done with  and  keys.

1.BAt - Entering the submenu Bat, the display shows voltage of the built-in rechargeable battery in Volts.

2.F inE - Entering the submenu Fine, the display shows the measured weight in higher resolution. In this mode all data transmission over the serial interfaces is forbidden.

3.Port 1 - In this submenu, a protocol for connection with the first serial interface is selected. The sustained protocols are:

OFF – the port is turned off;

Pr1 – Protocol VEDIA with continuous weight transmission;

Pr2 – Protocol VEDIA with a single time weight transmission after external command or pressing key Enter;

Pr3 – Protocol for “Datecs” cash-registers;

Pr4 – Protocol for connection with cash-registers produced by “Zavod Electronica”, “ZEKA”, “Orgtehnika”;

Pr5 – Protocol for “ZIT” cash-registers.

After each change of the protocol settings, the scale is restarted.

4.Port 2 - In this submenu, a protocol for connection with second serial interface is selected. The sustained protocols are:

OFF – the port is turned off;

Pr1 – Protocol VEDIA with continuous weight transmission;

Prn – not used.

After each change of the protocol settings, the scale is restarted.

5.L ighT - In the submenu, an operating mode for the backlights of the two LCD displays is selected. Available working modes:

1.OFF – Backlight is turned off each time the readings for the weight is zero (battery saving mode);

2.On – Backlight is always on.

6.SEr - In the submenu the user has access to the following service mode functions:

1. ADC – Test of the Analog-to-Digital Converter. The display shows direct readings from the ADC;

2. t°C – Thermometer. The display shows the ambient temperature in degree Celsius;

3. Ver – Version. The display shows the current version of the scale software;

4. nCal – The display shows the number of the performed actions in service mode.

6. Operation with the rechargeable battery

The charging of the rechargeable battery is made with an adapter, bought together with the scale. The adapter should be plugged in the 12V DC jack that is on the right side of the case. During the recharging the scale can operate or can be switched off. The battery is fully recharged for approximately 8 hours. The current voltage of the battery can be checked from menu 1.Bat of the scale. When “battery” symbol is shown on the display, please recharge the battery as soon as possible. In reaching impermissibly low voltages, the display turns off and the scale operation is blocked till the normal values of the voltage are restored (plug in the adaptor).

7. Errors

- Err1 – it is shown after passing the indication test when the load cell is deformed of overloading or due to some reason the platform is heavier. The extra load should be removed. If the error does not disappear contact the nearest service centre.
- Err2 – when it is shown after passing the indication test it means that the load cell is deformed backwards or the platform is lightened. Place the pan on the scale or if it is on its place contact the nearest service centre.
- Err3 – after the initial zero- setting the weight of the platform is below the given limits. Probably the pan has been removed during the operation or something is raising it.
- Err4 – the scale is loaded with so extremely heavy load that it cannot be read by the electronic block. If the scale is unloaded contact the nearest service centre.
- Err5 – It is shown on the display with turning on the scale when due to some reason the data stored in the memory is detected to be incorrect.
- “-HI-“ – overloading indication – a load over the maximum capacity is placed on the platform

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