

# )) DR3000 USER GUIDE

## DR3000 features

Auto draft compatible.

Set the large draft/sort indicator to suit your drafting/sorting requirements.

Obtain draft/sort statistics for 2, 3 or 4 weight ranges.

Use automatic weight recording for hands-free weighing and recording.

View past weighing session results with the 100 self-dating files.

View all available statistics for a weighing session.

Access the built-in manual where and when you need it.

Set up the weighing screen display to suit your own weighing requirements.

Rearrange draft or recalculate statistic for a weighing session.

Print weighing session reports to a computer or serial printer.

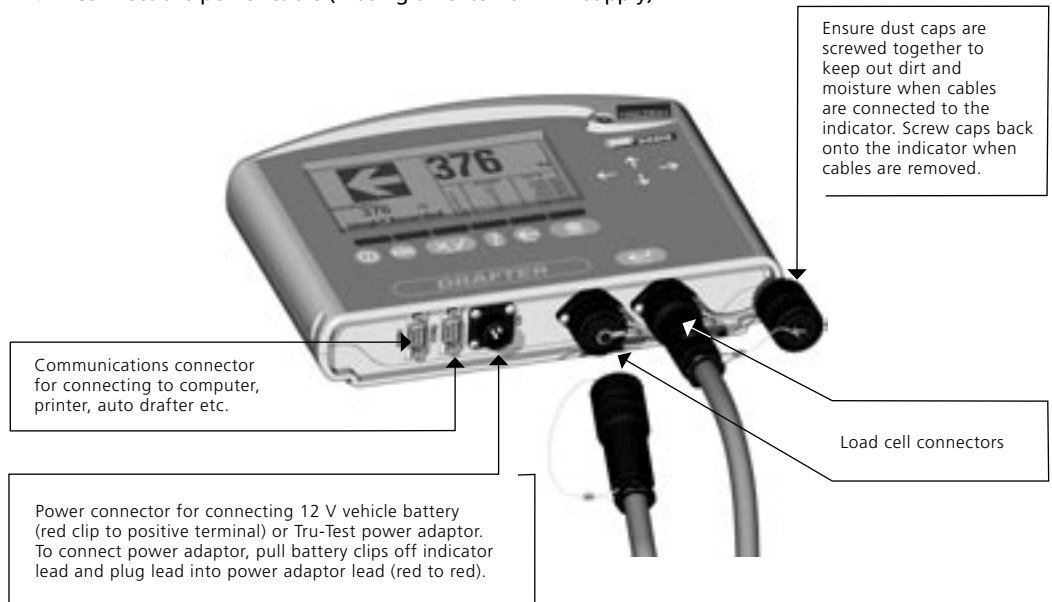
Use with all Tru-Test load bars and load cells.

The back-lit display with light sensor allows the indicator to be used in low light conditions.

See how much weighing time is left when running on the internal battery.

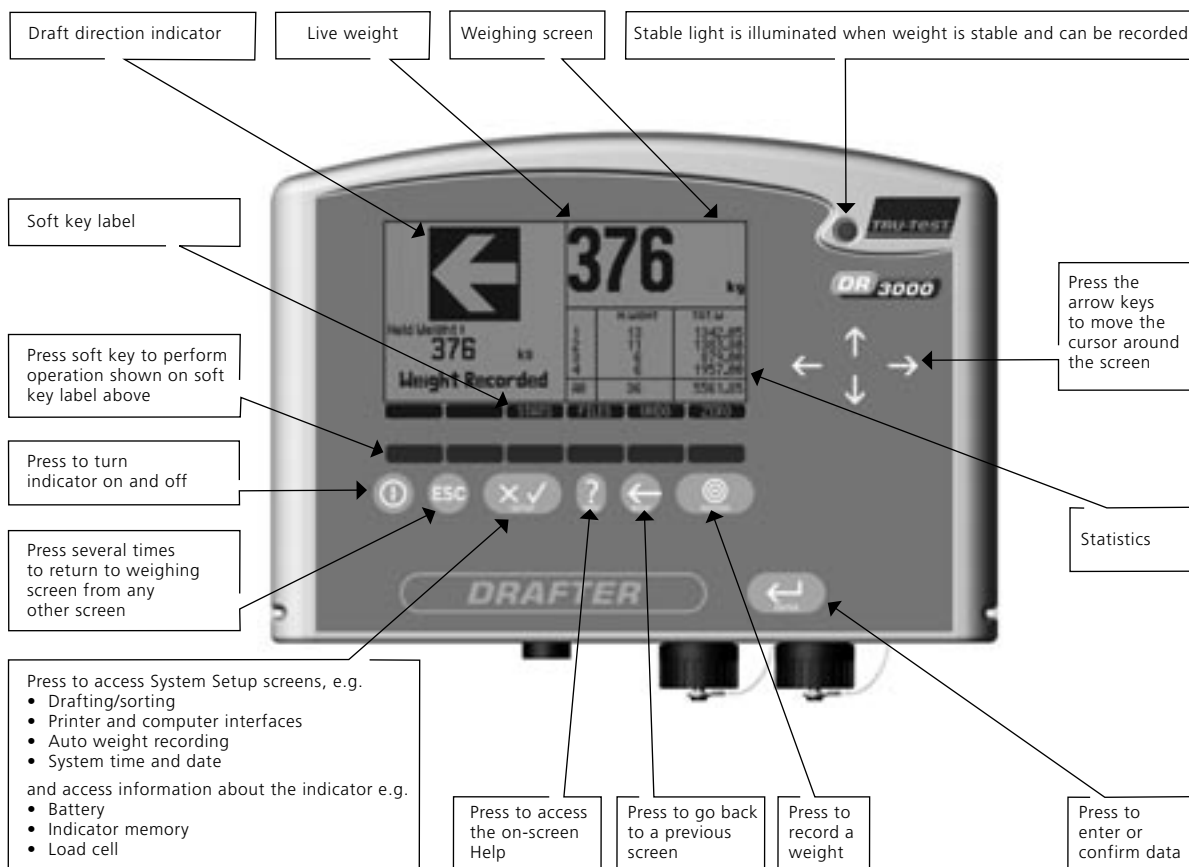
## INSTALLING THE INDICATOR

- 1 Mount the indicator bracket on a flat surface, such as a timber rail or concrete structure, using screws or nails. Alternatively, mount the bracket onto horizontal pipework with the U-bolts supplied.
- 2 Connect the load sensor cables to the indicator. Connect the dust caps together to keep out dirt and moisture.
- 3 Connect the power cable (if using an external 12 V supply).



## Installation tips

- 1 Mount the indicator in a convenient place where animals cannot knock the indicator or chew the cables.
- 2 Mount the bracket firmly to prevent possible operator errors or fatigue.
- 3 Position the indicator so that the screen is out of the sun as much as possible.
- 4 When installing load sensors, refer to the documentation supplied with the load sensors.



## To turn on the indicator

Press ⓘ to turn on the indicator. The Startup screen may appear depending on the setup of the indicator.

From the Startup screen, press ESC to start weighing or press ? to access the on-screen tutorial.

Tip: For information on item of interest, move the cursor then press ?.

## Weighing screen soft keys

**STATS** Displays average, total, minimum and maximum weights etc.

**FILES** Displays a list of files. Each file typically represents one weighing session.

**UNDO** Clears the last recorded weight.

**ZERO** Zeroes the scale after build up of dirt on the platform. Normally automatic.

## Recording weights

- 1 Press ⓘ to turn on the indicator. The Startup screen may appear, depending on the setup of the indicator.
- 2 From the Startup screen, press ESC to start weighing.
- 3 Press **FILES** to go to the List of Files screen.
- 4 Select an empty file and press ↩.
- 5 Move the animal onto the platform.
- 6 Wait for stable light ☼ and press ⊙.

You have recorded the weight. Repeat steps 5 and 6 for each animal.

## Changing options and settings

- 1 Press to access setup items.
- 2 To change an option or value, highlight the item to be changed and press .
- 3 Use the arrow keys to change the option or value and press to confirm.

System Setup	
DAMP SYSTEM: Superdamp III (Cattle)	
WEIGHT RECORDING: Manual	DATE: 02/02/2005
RESOLUTION: 0.5	TIME: 21:27
HELD WEIGHT: X	FONT: Original
AUTO ZERO TRACK: On Net	BACKLIGHT: Off
POWER UP ZERO: ✓	CONTRAST: 5
AUTO POWER OFF: ✓	STARTUP SCREEN: ✓
PROMPT MESSAGE: ✓	DISABLE POPUPS: X
DRAFT: ✓	SOUND: Standard
DRAFT STATS: ✓	

**DRAFT SERIAL BATTERY ABOUT CELL AUTO RES**

## Weighing screen setup

### Changing statistics displayed

- 1 Highlight statistics column heading and press .
- 2 Use arrows to select statistic.
- 3 Press to confirm.

### Adding items to weighing screen

- 1 Press to access setup items.
- 2 Highlight the item to add to weighing screen and press .
- 3 Press to highlight .
- 4 Press .
- 5 Press again to confirm.

## Selecting a file

- 1 Press **FILES**.
- 2 Use the arrow keys to select file number.
- 3 Press to confirm.

The file will be automatically stamped with the current date.

## Statistics screen

Press **STATS** to view all statistics for the current file.

## Drafting Setup screen

Press then **DRAFT** to access Drafting Setup.

TO TURN DRAFTING ON AND OFF

- Highlight **DRAFTING** and press .
- Use arrow keys to change the setting.
- Press to confirm.

TO SET THE NUMBER OF RANGES,

- Highlight **DRAFTING RANGES** and press .
- Use arrow keys to change the setting.
- Press to confirm.

TO SHOW DRAFT DIRECTION FOR THE ANIMAL ON THE SCALE

- Highlight **ICONS** field and press .
- Use arrow keys to change the setting.
- Press to confirm.

TO SET THE LIMIT

- Select draft limit in **TO** column and press .
- Use arrow keys to set the limit.
- Press to confirm.





Recalculates draft statistics in a file if the initial drafting limits have been changed during the weighing session. Once recalculated these cannot be reversed.

Drafting Setup		FILE: 24	
DRAFTING: ✓		DRAFTING RANGES: 4	
		ICONS: Large Arrows	
RANGE	FROM	TO	ARROW
1	0.0	100.0	→
2	100.5	200	←
3	201	1535	↖
4	1540	2015	↗

**RECALC**

**During weighing, make sure :**

- The animal has four hooves on the platform.
- Hands do not come into contact with the animal, or with part of the enclosure.
- Another animal is not touching part of the enclosure.
- The animal is not touching an unweighed part of the enclosure.

- The internal battery charger operates from the recommended Tru-Test power adaptor or a 12 V vehicle battery.
- The indicator switches off automatically after 15 minutes of inactivity. Disable this feature by pressing  and highlighting Auto Power Off. Press  and select X, then press  to confirm.
- The indicator should be charged for 12 hours before it is used for the first time and after a period of storage.
- To view Battery Information including Charge (%) and Time to Run (hours and minutes), press  then **BATTERY**.
- A flat battery takes 8 hours to charge at temperatures of 10 to 35 °C (50 to 95 °F). For temperatures outside this range, charging time may be increased to 12 hours. In very extreme temperatures, the indicator may not change.
- The indicator may be left on charge at all times and the scale can be used while charging.

- Make sure the underside of the crate or platform is free from dung, dirt and stones.
- Store the load bars and the indicator in a clean, dry place, out of direct sunlight when not in use.
- Charge the indicator before long-term storage, and every six months during storage.

**Latest Information :**

For up to date information about Tru-Test products and downloads of latest software versions for your indicator, visit our website at: [www.tru-test.com](http://www.tru-test.com)

**Service Information :**

For repair or service information, contact the supplier of your DR3000.

**Feedback :**

Tru-Test welcome feedback from customers. You can send any feedback about this product via the Feedback link from the Scales page at: [www.tru-test.com](http://www.tru-test.com)

Size	270 x 190 x 71 mm.
Weight	Battery option is 1.6 kg (3½ lb), non battery is 1.4 kg (3 lb).
Accuracy	1% or 2 resolutions (whichever is greater) when used with Tru-Test load sensors, minimum base resolution 0.5 kg (1 lb) normal, 0.1 kg (0.2 lb) fine.
Battery	Charging time is 8 hours in normal conditions; Run time is 15 hours continuous use minimum with two load cells (8 hours with back light on). Auto turn off is 15 minutes.
Power requirements	AC adaptor (regulated) or battery, using crocodile clip 11 to 16 V d.c., 400 mA.
Display	High contrast, wide temperature LCD module, 240 x 128 dots.
IP67 rating	The indicator is 100% water and dust proof. Rated for immersion in water to a depth of 1 m for 30 minutes.
Environmental	Operating temperature: -10 to +40 °C (+15 to +105 °F). Storage temperature: -20 to +35 °C (-5 to +95 °F).
Load bar capacity	Power for up to 8 (350 Ω) load bars or load cells. Enables weighing of large load.
Communication	2 x D9, one interface RS485 or RS232, the other RS232 only. Allows for connection to a printer and/or computer.

**FCC Notice**

This Tru-Test model indicator has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is used in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case users will be required to correct the interference at their own expense.