



Frequently Asked Questions

FLSC-05, forklift scale certified 5,000 lb

1. What is a FLSC 05?

Avery Weigh-Tronix has developed the next generation in legal for trade forklift scale. The scale carriage has been enhanced mechanically and it provides a digital output to a new generation of instruments. This new product has been in the field for months and the users have praised the new features.

2. What components are included in a FLSC 05 system?

This patented forklift scale system has two main components, the scale carriage and an instrument (FLI 225 or FLI 425). The scale carriage incorporates four robust application designed Avery Weigh-Tronix Weigh Bars®, (NTEP CC 95-093), two high performance metal plates and a digital junction box (NTEP CC 06-096). The FLI 225 (NTEP CC 07-091) is a no nonsense instrument and the FLI 425 (NTEP CC 07-025) is great for data collection and management.

3. This scale carriage has the largest "Clear View" vision window in the industry, is there a junction box?

The FLSC has an incredible opening in the center of the scale allowing drivers to clearly see the tips of the forks as they approach a pallet or racking. There is a digital junction box, it is safely embedded within the scale carriage – out of harms way.

4. Does a FLSC weigh accurately when the forklift mast is tilted?

The patented FLSC uses Weigh Bars that are directly coupled between the scale plates. As the forklift mast is tilted the stress continues to be monitored exclusively by the Weigh Bars. Avery Weigh-Tronix forklift scales do not have mechanical springs or flexures. This continuous accurate weighing performance is noted on the NTEP certificate.

- Forward tilt up to 7 degrees (12% grade)
- Back tilt up to 5 degrees (8% grade)
- Side to side roll up to 3 degrees (5% grade).

This design feature allows drivers to capture accurate weight without the hassle of jockeying the mast around to find a tilt angle where weight can be displayed and captured.

5. Can the FLSC 05 communicate wireless between the scale carriage and the instrument?

There is an option available that places a battery and radio within the scale carriage eliminating the scale to instrument interface cable. To complete the communication from the scale carriage to a FLI 225 or FLI 425, an optional device is coupled onto the instrument. This feature is very beneficial on forklifts that have multiple stage masts.

6. How long will the battery maintain a charge for the wireless scale communications?

The length of battery life is related to the time the system is active. When the forklift is used eight hours a day, the battery will provide power for 21 days. If the forklift is active continuously twenty-four hours a day, the battery will provide power for seven days, 168 hours.

7. Is there any notification when the wireless carriage battery requires a re-charge?

Both the FLI 225 and the FLI 425 instruments have battery status annunciators.

8. Can the wireless carriage battery be removed for re-charging?

The battery is conveniently accessible from the front of the scale carriage. It easily detaches for re-charging.

9. Is the FLSC 05 certified for use as legal for trade?

The FLSC 05 system was evaluated to the National Type Evaluation Program specifications and received NTEP listing. The FLSC 05 is listed on the National Conference of Weights and Measures Certificate of Conformance Number 07-028.



10. The scale is identified as working with cleat type ITA Class II forklift carriage. What does that mean?

The International Trucking Association (ITA) created standards for forklift carriage height and thickness. This standard ensures all attachments will fit onto a complying carriage. Cleat type refers to the notches on the top of the carriage and Class II identifies the carriage is 16" high with a defined thickness. Class III is 20" high and a Class IV is 25" high with each having a different thickness.

11. What instruments work with a FLSC scale system?

The FLI 225 and the FLI 425 were developed to interface with this next generation forklift scale and their features take advantage of the digital output.

12. Can a current analog QTLTSC forklift scale system be upgraded with a FLI 225 or FLI 425 instrument?

Yes, the FLI 225 and FLI 425 analog versions can be used with the legal for trade QTLTSC and non legal for trade QTLTS. The analog Class III, Class IV and non legal QTLTS forklift scales will now be supplied with a FLI 225 or FLI 425 instrument.

13. How robust is the FLSC scale system?

Avery Weigh-Tronix has supplied thousands of forklift scales for over twenty five years and this design incorporates many small details that ensure long trouble free usage.

14. Will this forklift scale perform in applications where they are operated more than eight hours a day?

The Avery Weigh-Tronix forklift scales have a proven performance history. These scales have been operating in facilities that lift 80 to 400 pallets in each eight hour shift. In some locations these scales are operating 24 hours a day, 7 days a week.

15. Is the touch screen technology used on the FLI 425 tough enough to operate in these demanding forklift applications?

The design criteria recognized the demanding conditions and environment in which this product would be used. Multiple display technology designs were researched prior to the selection of this very robust touch screen. The touch activation has proven to work in field applications with sunlight and in wintry northern tier US cold applications where drivers wear gloves throughout their shift.

16. The FLI 425 is very aesthetically pleasing, but can alpha numeric values be entered?

When an entry requires an alpha numeric entry, the displayed image is refreshed with a touch pad for these values.

17. The FLI 225 appears to be quite small; can the drivers clearly see the displayed information?

The FLI 225 instrument requires very little precious cab space. It incorporates Fast View™ an incredibly visible weight image. The displayed information is a custom developed image which provides readability well beyond the location of the seated driver.

18. Can bar coded information be captured by the FLI 225 and the FLI 425?

Optional bar code scanners can be directly connected to the FLI 225 and the FLI 425.

19. As weight data is captured by the FLI 225 and FLI 425 can this be instantly transmitted wireless?

Both the FLI 225 and FLI 425 provide optional methods to transmit weight and data instantaneously wireless to a data collection system such as a server, printer or LAN/ WAN computer solution.

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