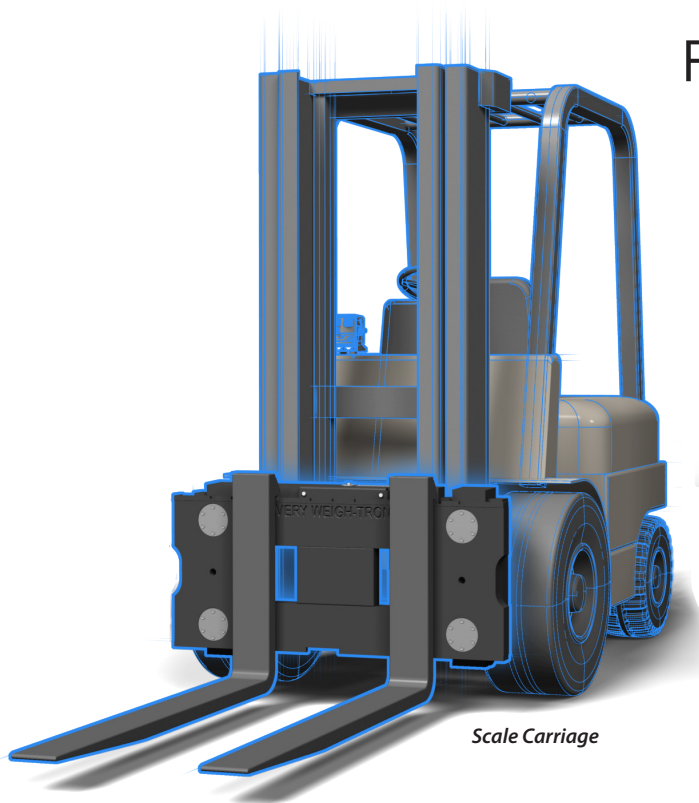


# Avery Weigh-Tronix



Scale Carriage

# QTLTS

## FORKLIFT SCALE SYSTEM

(non legal-for-trade)

Technical Specification



FLI 225

PLATINUM DISTRIBUTOR



888-236-5650  
sales@bsiscales.com

[www.bsiscales.com](http://www.bsiscales.com)

## DESCRIPTION

### General

The Avery Weigh-Tronix QTLTS Forklift Scale System turns a lift truck into a mobile scale. The system includes a durable, front-mounted digital scale carriage with Weigh Bar® electronic weight sensors and two viewing ports. The system allows operators to easily and quickly capture weight data en route, without extra steps.

### Seamless Compatibility

Simply attach the QTLTS scale carriage to an existing Class II cleat-type forklift carriage and mount the FLI 225 instrument in a convenient driver location. This system allows seamless integration of weighing and data management into your operations without adding any extra steps or route changes.

### Robust Design

The forklift scale carriage is comprised of two metal plates coupled together by four high capacity Weigh Bars.

- › Front loading safety factor of 29.5:1
- › Normal load safety factor of 7.5:1
- › Overload with no damage of 200%

The instrumentation is designed exclusively for the forklift vehicle. It incorporates design technologies to withstand the environmental and warehouse jolts common in forklift applications.

### Performance

The QTLTS is the solution for monitoring loads handled by forklifts that do not require legal-for-trade accuracy. The QTLTS consistently provides 99% or better weight accuracy of the applied load regardless of the position of the forks or mast. The Quick Tach scale carriage attaches to an existing forklift carriage and withstands up to 200% of full capacity applied anywhere up to 24" from the frame and side loads up to 100% of full capacity.

- › ITA Class II Cleat Type - 5,000 x 1 lb

This electronic scale design has no mechanical flexures or springs to influence the weighing performance.

### Data Management

The FLI 225 instrument provides a simple, no-nonsense solution through classic or enhanced operation for capturing weight and supplying it to a peripheral device.

## SCALE CARRIAGE

<b>Front and Back Plates Yield Strength</b>	43,500 psi
<b>Weigh Bar® Fasteners Yield Strength</b>	160,000 psi
<b>Weigh Bar Tensioners Yield Strength</b>	150,000 psi
<b>Mounting Hooks Yield Strength</b>	43,500 psi
<b>View Port</b>	Two viewing ports
<b>Weight Sensors</b>	Four Avery Weigh-Tronix 2500 LB Weigh Bars direct coupled, no flexures
<b>Overload Protection</b>	Withstands up to 200% of full capacity applied anywhere up to 24" from frame and side loads up to 100% of full capacity
<b>Finish</b>	High grade powder paint

## WEIGH BAR

<b>Type</b>	2.5k weight sensors (4) 5,000 LB
<b>Metal Properties</b>	AISI 4340 steel yield strength 140,000 psi
<b>Zero Balance</b>	± 0.10 mv/v
<b>Non-Linearity Maximum</b>	0.3% of rated output
<b>Hysteresis Maximum</b>	0.03% of rated output
<b>Temperature Effect on Output</b>	± 0.0025% °C of rated output (-10 to +40° C)
<b>Temperature Effect on Zero Balance</b>	± 1.70 x 10 <sup>-7</sup> volts per volt 5°C (-10 to +40° C)
<b>Safe Overload Rating</b>	150% of capacity

## WEIGHT SUMMING

<b>Enclosure</b>	Metal enclosure, circuitry encapsulated
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## APPROVALS

FCC part 15B  
CE

## FLI 225 INSTRUMENT

<b>Type</b>	FLI 225 instrument NTEP CC# 07-091, category 3
<b>Power Input</b>	9 to 36 vdc, 3.5 Amp, Inactive stand by mode
<b>Display</b>	FLI 225 - High contrast backlit transfective LCD dot matrix. Custom designed font ¾" high digits. Classic, Classic with Accumulation and Expanded Modes
<b>Operational Keys</b>	FLI 225 - On/Off, Zero, Print, Select, Tare, F1-F4
<b>Operational Images</b>	FLI 225 - Weight, LB/KG, Motion, Center of Zero, Weigh mode, Operator status messages
<b>Communication Ports</b>	FLI 225 - Two RS 232 serial ports
<b>Operating Environment</b>	Legal 14° to 104° F (-10° to +40° C), industrial -20° to +60° C
<b>Enclosure</b>	FLI 225 - Composite with tilt and swivel brackets, designed to IP65
<b>Dimension</b>	FLI 225 - 8.14"W x 5.19"H x 4.03"D includes mounting bracket
<b>Weight</b>	FLI 225 - 4 LB / 1.8 KG
<b>Options</b>	FLI 225 - FLP 100 power conditioner 24 to 72 vdc, RM 100 bt (2.0)

Weigh Bar® is a registered trademark of Avery Weigh-Tronix, LLC

PLATINUM DISTRIBUTOR



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# Avery Weigh-Tronix

www.averyweigh-tronix.com

Avery Weigh-Tronix is an ITW company



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