TAMTRON

WEIGH TO KNOW

SCALE

TAMTRON SCALIFT FORKLIFT SCALE

PRECISION CARGO WEIGHING AND INNOVATIVE DATA MANAGEMENT FOR IMPROVED WORKFLOW

Work smarter, not harder with the Tamtron SCALIFT.

Eliminate existing bottlenecks and weigh your cargo while loading with a forklift. By reducing unnecessary driving, you minimize emissions and risk of accidents, improving employees' working safety. The Tamtron SCALIFT will boost your operations' efficiency and productivity. We developed these forklift scales for our customers who require fast, accurate weighing and information management for their core business.

FORKLIFT SCALE SCALIFT 100

EFFICIENT CARGO HANDLING AND WEIGHING

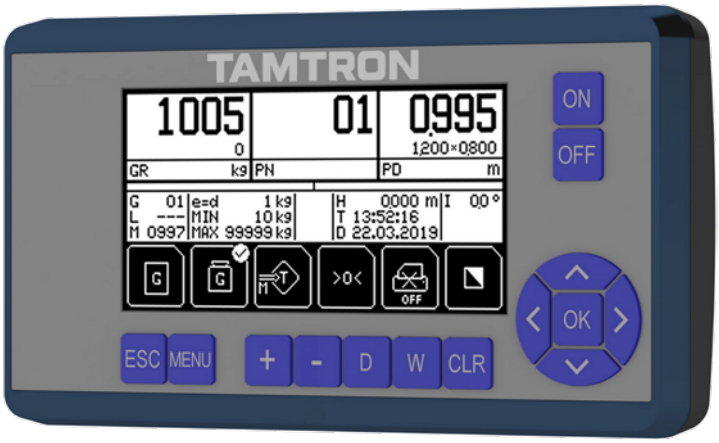
Tamtron Scalift 100 its designed for control weighing and suits all kinds of forklifts. Weighing takes place while loading - it is accurate and fast, saves time by loading efficiently and you easily manage your weighing log.

The operator lifts the load as usual and weighs the load by pressing the weighing button, after which the load slightly descends, the weighing result is displayed on the screen and stored in the weighing log. Weighing information can be transferred to a printer via a RS232 port.

The Tamtron Scalift 100 technology produces exact weighing results. The scale is rugged and informs the driver of overloads based on the given loaded capacities.

SPECIFICATIONS

- **Weight capacities:** 5t / 18 t / 33t
- **Weighing precision, of maximum capacity*:** ±0.5 %
  *For a vehicle maintained routinely
- **Temperature range:** 0–50 °C
- **Supply voltage:** 12-100 VDC
- **Power consumption:** 5 W
- **Serial output:** RS232
- **Sensor protection:** IP 65



SCALIFT 100 is based on hydraulic weighing technology, developed for forklift trucks and stackers. By measuring the forklift hydraulic pressure, which indirectly reflects the weight of the lifted load, a robust and effective method for weighing of goods is achieved.

The affordable and overload protected pressure sensor makes the method suitable for harsh industrial environments, while exposed electrical wiring and damage to precious load-cells are eliminated. On Scalift 100 the influence of mechanical frictions is reduced in the forklift mast and hydraulic cylinders by automatically lowering the forks during weighing operations

- The Scalift 100 technology typically reduces weighing tolerances to ±0.5%, corresponding to ±10 kg for a forklift with a lifting capacity of 2000 kg.
- The weighing process takes 5-10 seconds

FORKLIFT SCALE SCALIFT 200

LEGAL FOR TRADE

The Tamtron Scalift 200 is designed to meet the high performance and reliability demands of heavy-duty handling. This type-approved scale also meets the requirements of the SOLAS regulations.

The Tamtron Scalift 200 is the ideal choice for heavy loads weighing, and environments where power and precision are both key requirements - such as steel mills, concrete yards, wood mills, and port operations.

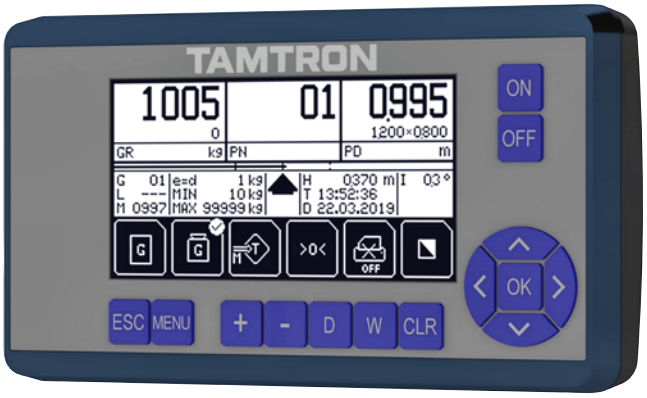
With **SCALIFT 200** the hydraulic pressure, height, velocity and acceleration of the forks are recorded during upwards and downwards manoeuvring, significantly improving the weighing accuracy and long term stability. This patented technology eliminates the influence of mechanical friction, non-linearity and weighing tolerances caused by load positioned on fork tips. The dual tilt compensation ensures an accurate weighing result regardless of inclination of forklift mast and floor.

- Typically reduces weighing tolerances to ±0.1%
- The weighing process takes 5-10 seconds

SPECIFICATIONS

- Type approved: MID automatic weighing
- Weight capacities: up to 72t
- Weighing precision, of maximum capacity*: ±0.1 %

*For a vehicle maintained routinely



SCOPE OF DELIVERY

SCALIFT 100

DISPLAY UNIT | PRESSURE SENSOR | HYDRAULIC BLOCK

OPTIONS: - Thermal printer - Load height measurement with LVD

SCALIFT 200

PRESSURE SENSOR | FLOW METER WITH ROTATION SENSOR | TILT SENSOR | DISPLAY UNIT

OPTIONS: - Data transfer - Thermal printer - Load height measurement with LVD

LVD (Laser Volume Determination) is a dimensioning technology for volume measurement of palletized cargo. The pallet height is measured by a laser sensor and together with user defined pallet sizes it provides fast determination of volume.

The laser sensor, which automatically captures the pallet height, is mounted on the forklift mast and compensates for the mast inclination, ensuring exact dimensioning of the freight goods. The LVD technology may be combined with Scalift 100 and Scalift 200, which provides pallet weight and dimensions in one workflow.

- The LVD technology offers accuracies of ±1 cm for pallet height and ±0.1 to ±0.5 % for weight, depending on selected weighing principle, Scalift 100 or Scalift 200.
- Weighing and dimensioning takes approximately 10 seconds.

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Tamtron is an advanced product manufacturer and weighing information management service provider in the weighing industry that is committed to high-quality and responsible service. The company's success is based on the ability to produce some of the most innovative and competitive weighing solutions in the industry. The weighing solutions provided by Tamtron make customers' everyday operations easier and more efficient in all significant industries such as recycling and waste management, forestry and wood processing, manufacturing, harbours, construction and mining, and transportation and logistics. The company's ISO 9001:2015 quality certified know-how ensures high-quality deliveries.

The internationally operating company has a turnover of EUR 22 million, and the group employs 140 professionals. The company's main office is in Finland, and it has subsidiaries in Sweden, Poland, Germany, the Czech Republic and Slovakia. In addition to strong domestic trade, Tamtron exports its products globally to more than 60 countries. Tamtron is a reliable partner for demanding weighing solutions with more than 40 years of experience.

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