

## **Allegany Lift Truck Scale**

SI Onboard

# Lift Truck Scale



## FEATURES

- Accuracy 0.01% of applied load on all lift truck scales
- Standard and Legal-For-Trade models available
- Available in 30", 36" and 40" widths
- · Four hour install on all ITA class II & III lift trucks
- · Eliminates moving material to central scale location
- Improves weighing efficiency and overall productivity
- · Improves inventory control and audit time
- Largest viewing port of any lift truck scale on the market
- Overload protection within the scale section

#### **OPTIONS**

- · Wireless link to back office
- Bar code wand
- Printers

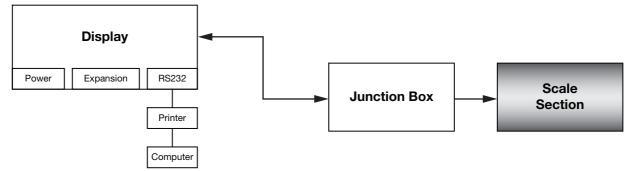
## DESCRIPTION

Allegany lift truck scales from SI Onboard combine state of the art digital technology with rugged mechanical design to produce a superior weigh-in-motion scale. Allegany lift truck scales mount onto the fork carriage on all types and sizes of all ITA lift trucks and offer a proven solution to increase productivity and profit. The scale saves time and eliminates the need for a central scale. Two models are offered, standard or legal-for-trade, to meet a variety of weighing applications and the specific needs of your business. The expanded view port, the largest in the industry, provides the operator with a clear line of sight to the forks. Allegany Lift Truck Scales come complete, ready to install, including operator and installation manuals.

## **APPLICATIONS**

- Freight Carriers
- Manufacturing Facilities
- Warehouses
- Distribution Centers
- Batching Operations
- Recycling Centers
- Printing Operations

## SYSTEM BLOCK DIAGRAM



#### Notes

- Complete system shown
- Various capacities available
- Standard and legal for trade models available

# Allegany Lift Truck Scale

SI Onboard



## Lift Truck Scale

ccuracy0.01%certificate of Compliance (NTEP)94-107A1iapacity (GVW)Up to 10,000 poundslumber of load cells2lumber of load cells2lumber of load cells2lumber overload stops4ift truck applicabilityAll TA lift trucks <b>RETER</b> 0.88° LED, 6 digitsisplay Type0.88° LED, 6 digitsize8.5° L x 3.8° D x 5.4° HconstructionCast AluminumVeighing UnitsPounds, kilogramsfeter operating voltage10 to 60 Volt DCtivisions1 and 5 pound incrementscommunicationsS232demory512Kextrificate of Compliance (NTEP)93-083A2OAD CELLS10,000 lbsiapacity10,000 lbsypeS-cell; strain gagetaterialStainless steeltaterial1.5mV/V @ 5,000 poundstaterialA36 SteelconstructionWelded & Bolted plates via side flexurestarbilityScale built to withstand force equal to twice scale capacity	SPECIFICATIONS	
intertificate of Compliance (NTEP)   94-107A1     tapacity (GVW)   Up to 10,000 pounds     tumber of load cells   2     tumber overload stops   4     ift truck applicability   All ITA lift trucks <b>HETER</b> 0.88° LED, 6 digits     isplay Type   0.88° LED, 6 digits     ize   8.5° L x 3.8° D x 5.4° H     construction   Cast Aluminum     keighing Units   Pounds, kilograms     feter operating voltage   10 to 60 Volt DC     kivisions   1 and 5 pound increments     communications   RS232     termory   512K     vapacity   10.000 lbs     ype   S-cell; strain gage     taterial   Strainess steel     taterial   1.5mV/V @ 5,000 pounds     taterial   A36 Steel     construction   Welded & Bolted plates via side flexures     forstruction   Welded & Bolted plates via side flexures	PARAMETERS	DESCRIPTION
Image and the second stopsUp to 10,000 poundslumber of load cells2lumber overload stops4ift truck applicabilityAll ITA lift trucksIterER0.88" LED, 6 digitsize8.5" L x 3.8" D x 5.4" HconstructionCast Aluminum//eighing UnitsPounds, kilogramslefer operating voltage10 to 60 Volt DClivisions1 and 5 pound incrementscommunicationsRS232termory512Kverificate of Compliance (NTEP)93-083A2OAD CELLS10,000 lbsiapacity10,000 lbsypeScell: strain gagelaterialStainless steellaterialAltiminues steelcertificate of Compliance (NTEP)87-051A3CALE SECTIONWelded & Bolted plates via side flexurestarealA36 SteelionstructionWelded & Bolted plates via side flexuresionstructionWelded & Bolted plates via side flexures	Accuracy	0.01%
tumber of load cells     2       tumber overload stops     4       timber overload stops     All ITA lift trucks       ift truck applicability     All ITA lift trucks       IterER     0.88" LED, 6 digits       ize     8.5" L x 3.8" D x 5.4" H       construction     Cast Aluminum       //eighing Units     Pounds, kilograms       feter operating voltage     10 to 60 Volt DC       ilvisions     1 and 5 pound increments       communications     RS232       termory     512K       verificate of Compliance (NTEP)     93-083A2       OAD CELLS     10,000 lbs       apacity     10,000 lbs       ype     Scalel Strain gage       faterial     Stainless steel       faterial     Stainless steel       faterial     Stainless steel       faterial     A36 Steel       construction     Welded & Bolted plates via side flexures       forstruction     Scale built to withstand force equal to twice scale capacity	Certificate of Compliance (NTEP)	94-107A1
Jumber overload stops     4       ift truck applicability     All ITA lift trucks       HETER     0.88" LED, 6 digits       isplay Type     0.88" LED, 6 digits       ize     8.5" L x 3.8" D x 5.4" H       construction     Cast Aluminum       velighing Units     Pounds, kilograms       feter operating voltage     10 to 60 Volt DC       vivisions     1 and 5 pound increments       communications     RS232       femory     512K       vertificate of Compliance (NTEP)     93-083A2       OAD CELLS        eapacity     10,000 lbs       ype     S-cell; strain gage       taterial     Stainless steel       ataed Output     1.5mV/V @ 5,000 pounds       vertificate of Compliance (NTEP)     87-051A3       CALE SECTION        faterial     A36 Steel       construction     Welded & Bolted plates via side flexures       fourpuility     Scale built to withstand force equal to twice scale capacity	Capacity (GVW)	Up to 10,000 pounds
ift truck applicabilityAll ITA lift trucksRETER	Number of load cells	2
Interem     Image: Construction of the second seco	Number overload stops	4
isplay Type0.88" LED, 6 digitsize8.5" L x 3.8" D x 5.4" HconstructionCast AluminumVeighing UnitsPounds, kilogramsfeter operating voltage10 to 60 Volt DCiivisions1 and 5 pound incrementskommunicationsRS232feter operating voltage512Kverificate of Compliance (NTEP)93-083A2OAD CELLS10,000 lbskapacity10,000 lbsypeS-cell; strain gagefaterialStainless steellated Output1.5mV/V @ 5,000 poundsiertificate of Compliance (NTEP)87-051A3CALE SECTIONA36 SteelfaterialA36 SteelconstructionWelded & Bolted plates via side flexureshurabilityScale built to withstand force equal to twice scale capacity	Lift truck applicability	All ITA lift trucks
ize8.5" L x 3.8" D x 5.4" HconstructionCast AluminumVeighing UnitsPounds, kilogramsMeter operating voltage10 to 60 Volt DCiivisions1 and 5 pound incrementscommunicationsRS232Memory512Kvertificate of Compliance (NTEP)93-083A2OAD CELLSS-cell; strain gageAterialStainless steellated Output1.5mV/V @ 5,000 poundsvertificate of Compliance (NTEP)87-051A3CALE SECTIONA36 SteeltorstructionWelded & Bolted plates via side flexureshurabilityScale built to withstand force equal to twice scale capacity	METER	
ConstructionCast AluminumVeighing UnitsPounds, kilogramsMeter operating voltage10 to 60 Volt DCiivisions1 and 5 pound incrementsformunicationsRS232Memory512Kvertificate of Compliance (NTEP)93-083A2OAD CELLSCompound incrementsapacity10,000 lbsypeS-cell; strain gageIated Output1.5mV/V @ 5,000 poundsvertificate of Compliance (NTEP)87-051A3CALE SECTIONCale SectionMaterialA36 SteelconstructionWelded & Bolted plates via side flexurespurabilityScale built to withstand force equal to twice scale capacity	Display Type	0.88" LED, 6 digits
Veighing Units     Pounds, kilograms       Meter operating voltage     10 to 60 Volt DC       ivisions     1 and 5 pound increments       communications     RS232       Memory     512K       vertificate of Compliance (NTEP)     93-083A2       OAD CELLS        acapacity     10,000 lbs       ype     S-cell; strain gage       Material     Stainless steel       tated Output     1.5mV/V @ 5,000 pounds       certificate of Compliance (NTEP)     87-051A3       CALE SECTION     A36 Steel       construction     Welded & Bolted plates via side flexures       purability     Scale built to withstand force equal to twice scale capacity	Size	8.5" L x 3.8" D x 5.4" H
Aleter operating voltage   10 to 60 Volt DC     Invisions   1 and 5 pound increments     communications   RS232     Alemory   512K     certificate of Compliance (NTEP)   93-083A2     OAD CELLS   0     capacity   10,000 lbs     ype   S-cell; strain gage     Idaterial   Stainless steel     tated Output   1.5mV/V @ 5,000 pounds     certificate of Compliance (NTEP)   87-051A3     CALE SECTION   A36 Steel     Aterial   A36 Steel     construction   Welded & Bolted plates via side flexures     urability   Scale built to withstand force equal to twice scale capacity	Construction	Cast Aluminum
Invisions1 and 5 pound incrementssommunicationsRS232demory512Kbertificate of Compliance (NTEP)93-083A2OAD CELLSapacity10,000 lbsypeS-cell; strain gageMaterialStainless steeltated Output1.5mV/V @ 5,000 poundscertificate of Compliance (NTEP)87-051A3CALE SECTIONA36 SteelfaterialA36 SteelconstructionWelded & Bolted plates via side flexuresurabilityScale built to withstand force equal to twice scale capacity	Weighing Units	Pounds, kilograms
SommunicationsRS232Nemory512KSertificate of Compliance (NTEP)93-083A2OAD CELLS000 lbsSapacity10,000 lbsypeS-cell; strain gageMaterialStainless steellated Output1.5mV/V @ 5,000 poundssertificate of Compliance (NTEP)87-051A3CALE SECTIONAterialMaterialA36 SteelconstructionWelded & Bolted plates via side flexuresburghtlityScale built to withstand force equal to twice scale capacity	Meter operating voltage	10 to 60 Volt DC
Memory   512K     Vertificate of Compliance (NTEP)   93-083A2     OAD CELLS   0000 lbs     Sapacity   10,000 lbs     ype   S-cell; strain gage     Material   Stainless steel     Iated Output   1.5mV/V @ 5,000 pounds     certificate of Compliance (NTEP)   87-051A3     CALE SECTION   Material     Material   A36 Steel     Construction   Welded & Bolted plates via side flexures     Warability   Scale built to withstand force equal to twice scale capacity	Divisions	1 and 5 pound increments
Detrificate of Compliance (NTEP)   93-083A2     OAD CELLS   10,000 lbs     Sapacity   10,000 lbs     ype   S-cell; strain gage     Material   Stainless steel     tated Output   1.5mV/V @ 5,000 pounds     certificate of Compliance (NTEP)   87-051A3     CALE SECTION   Aaterial     Material   A36 Steel     construction   Welded & Bolted plates via side flexures     construction   Scale built to withstand force equal to twice scale capacity	Communications	RS232
OAD CELLSCapacity10,000 lbsypeS-cell; strain gageMaterialStainless steellated Output1.5mV/V @ 5,000 poundscertificate of Compliance (NTEP)87-051A3CALE SECTIONA36 SteelMaterialWelded & Bolted plates via side flexuresconstructionWelded & Bolted plates via side flexurescurabilityScale built to withstand force equal to twice scale capacity	Memory	512K
Capacity10,000 lbsypeS-cell; strain gageMaterialStainless steelMaterialStainless steelMaterial1.5mV/V @ 5,000 poundsCALE SECTION87-051A3MaterialA36 SteelConstructionWelded & Bolted plates via side flexuresDurabilityScale built to withstand force equal to twice scale capacity	Certificate of Compliance (NTEP)	93-083A2
ype   S-cell; strain gage     Material   Stainless steel     lated Output   1.5mV/V @ 5,000 pounds     certificate of Compliance (NTEP)   87-051A3     CALE SECTION   A36 Steel     Material   A36 Steel     construction   Welded & Bolted plates via side flexures     ourability   Scale built to withstand force equal to twice scale capacity	LOAD CELLS	
Material   Stainless steel     Material   1.5mV/V @ 5,000 pounds     Certificate of Compliance (NTEP)   87-051A3     CALE SECTION   A36 Steel     Material   A36 Steel     Construction   Welded & Bolted plates via side flexures     Durability   Scale built to withstand force equal to twice scale capacity	Capacity	10,000 lbs
Rated Output   1.5mV/V @ 5,000 pounds     Sertificate of Compliance (NTEP)   87-051A3     SCALE SECTION   Aterial     Material   A36 Steel     Construction   Welded & Bolted plates via side flexures     Durability   Scale built to withstand force equal to twice scale capacity	Туре	S-cell; strain gage
Description of Compliance (NTEP)   87-051A3     Internal   A36 Steel     Construction   Welded & Bolted plates via side flexures     Durability   Scale built to withstand force equal to twice scale capacity	Material	Stainless steel
CALE SECTION     Material   A36 Steel     Construction   Welded & Bolted plates via side flexures     Durability   Scale built to withstand force equal to twice scale capacity	Rated Output	1.5mV/V @ 5,000 pounds
Aterial A36 Steel   construction Welded & Bolted plates via side flexures   purability Scale built to withstand force equal to twice scale capacity	Certificate of Compliance (NTEP)	87-051A3
Construction     Welded & Bolted plates via side flexures       Durability     Scale built to withstand force equal to twice scale capacity	SCALE SECTION	
Ourability Scale built to withstand force equal to twice scale capacity	Material	A36 Steel
	Construction	Welded & Bolted plates via side flexures
	Durability	Scale built to withstand force equal to twice scale capacity
Capacity 1,000 to 10,000 pounds	Capacity	1,000 to 10,000 pounds
leights 16" & 20"	Heights	16" & 20"
Vidths 30", 36", 40"	Widths	30", 36", 40"
Overload Stops 4	Overload Stops	4
afety factor 5:1	Safety factor	5:1



# Disclaimer

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Vishay Precision Group, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "VPG"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

The product specifications do not expand or otherwise modify VPG's terms and conditions of purchase, including but not limited to, the warranty expressed therein.

VPG makes no warranty, representation or guarantee other than as set forth in the terms and conditions of purchase. To the maximum extent permitted by applicable law, VPG disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.

Information provided in datasheets and/or specifications may vary from actual results in different applications and performance may vary over time. Statements regarding the suitability of products for certain types of applications are based on VPG's knowledge of typical requirements that are often placed on VPG products. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. You should ensure you have the current version of the relevant information by contacting VPG prior to performing installation or use of the product, such as on our website at vpgsensors.com.

No license, express, implied, or otherwise, to any intellectual property rights is granted by this document, or by any conduct of VPG.

The products shown herein are not designed for use in life-saving or life-sustaining applications unless otherwise expressly indicated. Customers using or selling VPG products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify VPG for any damages arising or resulting from such use or sale. Please contact authorized VPG personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.

Copyright Vishay Precision Group, Inc., 2014. All rights reserved.