



Request for Quote

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
 ONE CAPITOL HILL
 PROVIDENCE RI 02908

BUYER: Hill, Lisa
 PHONE #: 401-574-8118

CREATION DATE : 27-SEP-16
 BID NUMBER: 7550994
 TITLE: HAENNI WHEEL LOAD SCALES - DOT
 BID CLOSING DATE AND TIME: 24-OCT-2016 10:00:00

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 DOT ACCOUNTS PAYABLE
 TWO CAPITOL HILL, RM 230
 SMITH ST
 PROVIDENCE, RI 02903
 US

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 DOT DESIGN SECTION
 TWO CAPITOL HILL, RM 260
 SMITH ST
 PROVIDENCE, RI 02903
 US

Requisition Number: 1480096

Note to Bidders: Questions concerning this solicitation may be addressed to Lisa Hill at lisa.hill@purchasing.ri.gov no later than October 17, 2016 at 4:00 p.m.

Line	Description	Quantity	Unit	Unit Price	Total
1	HAENNI, WHEEL LOAD SCALE MODEL W-1 101 (MECHANICAL) MAKE: _____ MODEL: _____ ANTICIPATED DELIVERY: _____	18.00	Each		
2	INITIAL CALIBRATION OF SCALES	18.00	Each		

Delivery: _____

Terms of Payment: _____

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer

Haenni Scale Specification

Haennie Wheel Weigher Model: WL-101 (Mechanical)

Number of Scales: 18

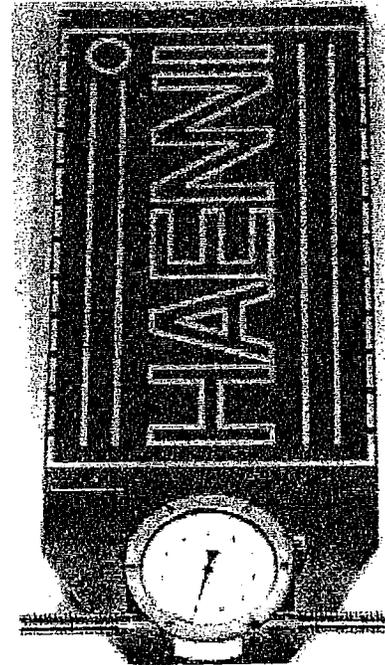
Capacity: 20,000 x 50Lbs.

Size: 15 1/2" x 25" x 5/8"

Please see attached literature for more information (no substitutions)

Wheel Load Scale WL 101

Application	Measurement of wheel and axle loads of vehicles with pneumatic tires
Ranges	0...10 t 0...15t 0...20 000 lb 0.30 000 lb
Temperature range	-20...+60°C 0...140 °F
Accuracy	OIML No.76 Class 4 or NIST H44, optionally with HAENNI works test report or intended for official test
Materials	Corrosion resistant aluminium-alloys and stainless steel
Type of protection	Watertight IP 65 (DIN 40050, IEC 144)
Dial	white, black markings, according to OIML No. 76 respectively NIST H44
Lens	Acrylic glass (perspex), unbreakable
Weight	5 kg
Platform height	17 mm



Selection Chart

Ordering example: WL 101 / 4 1 1.1 1.1 / 10Y /	
Temperature range and standard	- 20 ... + 60 °C 4 1 1 . 1 1 1 OIML Nr. 76 Cl. 4 0...140°F 6 1 1 . 1 1 1 N1STH44Cl.4
Ranges	0 ... 10t 10Y 0 ... 15t 20Y 0...20 000 lb 60Y 0...30 000 lb 70Y
For official test The ordering code is determined after the approval procedure	

Accessories

For accessories as leveling mats, rods for weighing point loads, carrying cases etc. refer to data sheet W900.

Operation

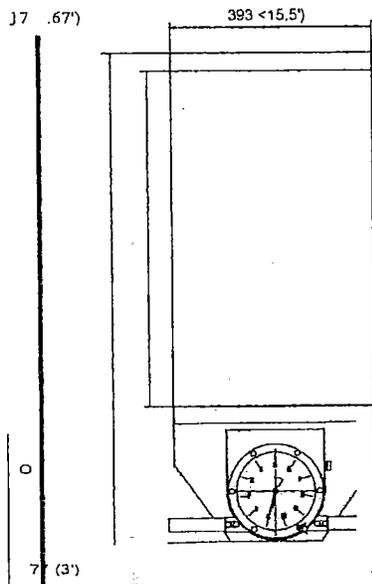
Because of its light weight the wheel load scale WL 101 is easy to transport and can be used at any time without the need of ramps. For efficient measurements it is recommended to work with at least two units. Measurements should be made on firm and level ground. The scales are placed close to in front of the wheel to be tested and the vehicle is driven onto the platform. The wheel load is indicated directly on the dial of the instrument.

Official Test

In most countries the wheel load scale WL 101 is approved by official test laboratories.

Wheel Load Scale WL 101

Dimensions



Construction and Function

The wheel load scale comprises of a flat weighing platform with a laterally mounted indicating instrument. The weighing platform is equipped with a measuring element in the form of a grid of flat oval tubes, mounted between the massive ground plate and the top plate. All tubes are connected together and to a sensing element located in the indicating instrument. The whole system is filled with a non-freezing liquid and is hermetically sealed. The elastic tubes are compressed when the platform is loaded. A part of the liquid is expelled from the measuring element and produces a deflection of the bellows in the indicating instrument, which is proportional to the applied load. A system of levers, connecting members and a gear movement is converting the deflection into an angle of the pointer, so that the load can be read directly on the dial.

Additionally a temperature measuring system is located in the platform to compensate for all unfavourable temperature influences. An adjustment device located at the right side of the indicating instrument ensures an exact zero setting of the pointer before any measurement.

The absence of any moving part in the platform and the use of high strength and corrosion resistant materials guarantee both great reliability and long lifetime. Periodic service and maintenance is not required.

The construction of the platform is specially designed for measuring the weight of vehicles with air-filled tires. Hard rubber tires and rigid tires as containers and so on, are not suitable because the load will be distributed on a too small surface. In these cases a measurement is possible by using a specially designed HAENI load distribution pad. Such a pad is also needed for checking the accuracy on a test machine.

Technical Data

Execution Standard	OIML		NIST	
	OIML No. 76 Class 4		NIST H 44 Class 4	
Range	0...10 t, 0...15 t		0...20 000 lb	0...30 000 lb
Division	50 kg		50 lb	100 lb
Accuracy	on calibration	±25 kg (up to 2,5 t) ±50 kg (2,5 t...10 t) +75 ka (10 t...15 t)	±50 lb (upto 2500 lb) ±100 lb (2500...10 000 lb) +150 lb (10 000...20 000 lb)	±100 lb (upto 5000 lb) ±200 lb (5000...20 000 lb) ±300 lb (20 000...30 000 lb)
	in operation	±50 kg (up to 2,5 t) ±100 kg (2,5 t...10 t) +150 kg (10 t...15 t)	±100 lb (upto 2500 lb) ±200 lb (2500...10 000 lb) ±300 lb (10 000...20 000 lb)	±200 lb (upto 5000 lb) ±400 lb (5000...20 000 lb) ±600 lb (20 000...30 000 lb)
Loading limit	0...10 t: 12,5 t 0...15 t: 16 t		22 000 lb	33 000 lb
Permissible load per area	0...10 t: 12 kg/cm ² 0...15 t: 15 ka/cm ²		170 lb/in ²	210 lb/in ²
Loading limit per area	0...10 t: 24 kg/cm ² 0...15 t: 30 ka/cm ²		340 lb/in ²	430 lb/in ²
Temperature range	in operation	-20°C ... +60°C	0 °F ... 140 °F	
	storage	-30°C ... +60°C	-20 °F ... 140 °F	
Type of protection (DIN40050, IEC144)	IP 65			
Operating site	Firm and level ground, max. 10 mm bend through, max. 5% slope (°3°)			
Dimensions	platform height	17 mm	0.67 in	
	active surface	660x380mm (12kg/cm ²) 660x393mm (6ka/cm ²)	26x 15 in (170lb/in ²) 26x 15.5 in (80 lb/in ²)	26x 15 in (210lb/in ²) 26x 15.5 in (1100 lb/in ²)
	overall size	ca. 960 x 77 x 393 mm	ca. 38 x 3 x 15.5 in	

1) OIML is the abbreviation for Organisation Internationale de Métrologie Légale, NIST is the abbreviation for National Institute of Standards and Technology (USA)
 2) In practical operation the complete surface may be used, because the ground pressure in the marginal area of the tyre foot print does not exceed 6 kg/cm².

Contract Terms and Conditions

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Terms and Conditions

BID STANDARD TERMS AND CONDITIONS

TERMS AND CONDITIONS FOR THIS BID

RIVIP INFO - BID SUBMISSION REQUIREMENTS

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MAILING ADDRESS FOR BID PROPOSALS ISSUED BY THE STATE OF RHODE ISLAND, DIVISION OF PURCHASES

All Bid Proposals must be submitted by mail or hand delivered to:

- State of Rhode Island
- Department of Administration
- Division of Purchases, Second floor
- One Capitol Hill
- Providence, RI 02908-5855

DIVESTITURE OF INVESTMENTS IN IRAN REQUIREMENT:

No vendor engaged in investment activities in Iran as described in R.I. Gen. Laws §37-2.5-2(b) may submit a bid proposal to, or renew a contract with, the Division of Purchases. Each vendor submitting a bid proposal or entering into a renewal of a contract is required to certify that the vendor does not appear on the list maintained by the General Treasurer pursuant to R.I. Gen. Laws §37-2.5-3.