Pallet Dimensioning

CSN840 Pallet™
Improving Operational Ratio

Improves Operational Ratio
Carriers lose the most money on big, bulky freight. By re-classifying shipments based on density and securing correct measurements for invoicing you get paid properly for the service you provide, improve profitability and protect your bottom line.

No Negative Impact on Operation
Out of the way of forklift traffic, overhead mounting makes it easy to position pallets under the dimensioner with no slow-down in operation. By prioritizing shipments with greatest potential for revenue recovery you can maintain operational flow. Dimensions are captured in under 5 seconds and seamlessly integrated with weight and ID data.

Informed Business Decisions
Accurate volume data allows you to correctly classify each shipment and decide on fair pricing for your customers. The data collected by the CSN840 enables efficient planning and utilization of Weight and Recovery Inspectors' resources.

Easy-to-Install, Easy-to-Use
Our professional service technicians will have your dimensioner up-and-running and making money in under two days. The system is easy-to-learn and easy-to-use. The pallet is simply placed under the dimensioner and either triggered by your preferred identification method or by pressing the dim button.

CSN840 Pallet™
Profitable Pallet Dimensioning

The CSN840 Pallet™ provides LTL companies with highly accurate dimensional data for profitable costing and invoicing.

Easy-to-install and easy-to-use the CSN840 calculates the dimensional weight of a shipment for correct classification, pricing and invoicing. This allows our customers to offer fair, visible pricing while reducing operational ratio through revenue recovery and better utilization of space and resources.

The system is fully approved by global Weights and Measures Authorities guaranteeing its high accuracy on all shapes and surfaces including shiny, black plastic.
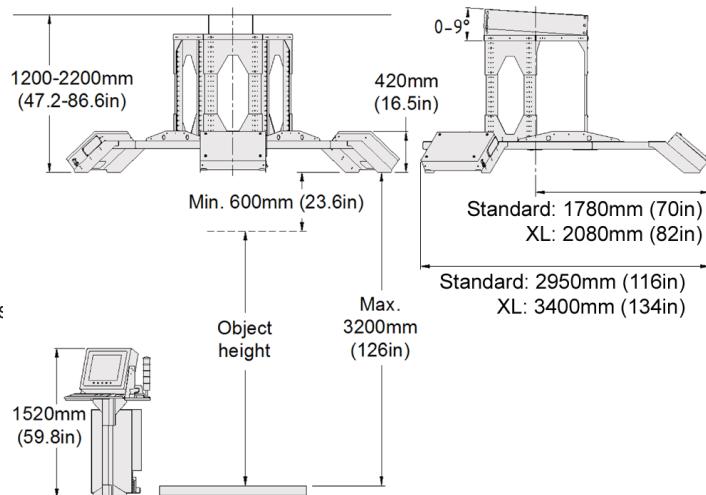
METTLER TOLEDO

Technical data
CSN840 Pallet™
Static Pallet dimensioning solution

Features and Benefits

- Proven laser range finder technology for accurate, repeatable measurement of any shape
- Ceiling, floor and wall mounting options for seamless integration
- Merging software for secure collection and linking of data
- Seamless transfer of data to customer host
- Image capture of pallets for protection against damage claims and audits
- Bar-code validation for customization of bar codes to accept or reject
- Alibi memory for tamper-proof, legal-for-trade storage of data
- Web-page with graphical menu for quick set up, easy configuration, monitoring and access tics
- Embedded application software. No extra PC required.
- Remote access. Easy upgrades and service
- DimCentral™ monitoring for immediate fault reporting and performance surveillance
- Graphical colour user-interface and monitor for clear overview of measuring process
- Traffic light to guide the operator
- CS2200LX display for legal for trade applications
- Taring functionality to separate load from the pallet
- MID, NTEP and Canadian MC Approvals for ensured data quality

1200-2200mm (47.2-86.6in)
420mm (16.5in)
0-9°
Min. 600mm (23.6in)
Standard: 1780mm (70in)
XL: 2080mm (82in)
Standard: 2950mm (116in)
XL: 3400mm (134in)
Object height
Max. 3200mm (126in)
1520mm (59.8in)

Specifications

Dimensioning accuracy	± 0.5 in.
Maximum size (LxWxH)	98 x 98 x 102 in.
Minimum size (LxWxH)	12 x 8 x 6 in. [1]
Maximum weight	Depending on floor scale
Minimum weight	Depending on floor scale
Throughput	Approx. 200 pallets pr/hr depending on how pallets are handled in the terminal
Shape	All solid shapes [2]
Surface characteristics	Most surfaces. Variance are sometimes encountered when surface is transparent/translucent or very glossy [3]
Orientation	Place pallet within the defined field of view
Background	Flat continuous surface. Instrument verifies acceptable background.
Spacing	Objects placed under the dimensioner one-by-one
Operational temperature	32° to 104 °F
Power	230 V 50 Hz, or 100-115 V 60 Hz
Laser type	Class 2
Interface	General Ethernet (TCP/IP) or Standard host (RS232)
I/O ports	VGA, USB, keyboard, binary in, binary out

[1] Legal for trade approved at 12 x 8 x 6 in.
[2] Protrusions < 7.5 cm (3 in.) may be ignored and not included in the dimensions
[3] System gives message code if surface looks uncertain

Components

Dimensioner	CSN840.3
Scale -standard	IND425- Vertex 2158 for 6000 kg (13000lb) or 3000 kg (6500lb)
-option	IND425-ES3000/A for 3000 kg or IND425-ES1500/A (3250 lb)
Bar code reader	Datalogic Gryphon, long range
Accessories	Colour TFT-LCD 17" monitor, touch screen, standard USB keyboard, workstation, power management kit, traffic light and various stands
Application software	host communication, bar code validation, alibi memory, remote diagnostics

Hardware and software components can be purchased separately or as a complete certified dimensioning, weighing and identification solution.

www.mt.com/CSN840

For more information