

CSN840 Pallet Dimensioner



CSN840 Pallet

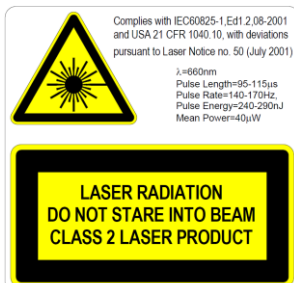
Quick Guide

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1. Safety Instructions

Safety and General Precautions



Avoid directly viewing into the laser beam unless absolutely necessary (general recommendation that also applies for Class 1 lasers).

If direct viewing is necessary, reduce the exposure time to a minimum, and view from the maximum possible distance.

-Never look into the laser beam with any type of optical magnification instrument such as binoculars, magnifying glass, SLR camera view finders or similar (infrared viewers are safe although long-term exposure may degrade the instrument).



To prevent electric shocks, the following recommendations should be observed:

-Ensure that the power to the CSN840 is disconnected before performing any service operation.

-Check that the voltage has been disconnected using appropriately calibrated instruments before performing any service operation.

-Check that the UPS (optional) is disconnected before performing any service operation.



NOTE: Opening the cabinet or removing the front cover shall be done by trained personnel only. Any warranty or responsibility will be void if work inside the unit is performed by personnel not qualified by Mettler Toledo.



In conformance with the European Directive 2002/96/ EC on Waste Electrical and Electronic Equipment (WEEE), this device may not be disposed of in domestic waste. This also applies to countries outside the EU, as per their specific requirements.

Please dispose of this product in accordance with local regulations at the collection point specified for electrical and electronic equipment. If you have any questions, please contact the responsible authority or the distributor from which you purchased this device. Should this device be passed on to other parties (for private or professional use), the content of this regulation must also be observed. Thank you for your contribution to environmental protection.

2. Specifications and Operator Interface

General Information

The CSN840 Pallet™ can be delivered in different configurations. The alternatives below are the most frequently used:

- The first model is for the stand-alone system or for system integrators who make their own integration software.
- The second model has built-in OCTO integration software from Mettler-Toledo Cargoscan.

Pick one alternative from the Quick Guide and print it out. The following alternatives are available:

Configuration	Dimensioner	Integration SW running in	Human interface	Software	Scale with indicator	Comment
1	CNS840	-	CS2200LX	-	IND425 ICX425a	Stand-alone dimensioner & scale
2	CNS840	CNC470 (PC)	VGA	OCTO (Windows)	ICS425 ICX425a	Integrated system with software

CS2200LX can be used on all configurations, even though the combination is not shown.

Technical Specifications

Dimensioning accuracy	± 20 mm
Maximum size (LxWxD)	2500 x 2500 x 2600 mm
Minimum size (LxWxD)	200 x 200 x 200 mm
Throughput	Approx. 200 pallets per hour (dependent on operation)
Object shape	All solid shapes
Surface characteristics	Most surfaces. Variance is sometimes encountered when the surface is transparent/translucent or very glossy
Orientation	Place most stable surface down within the defined field of view
Background	Flat continuous surface. Instrument verifies acceptable background.
Spacing	Objects placed under the dimensioner individually
Operational temperature	0° to 40 °C
Power	230 V 50 Hz, or 100-115 V 60 Hz

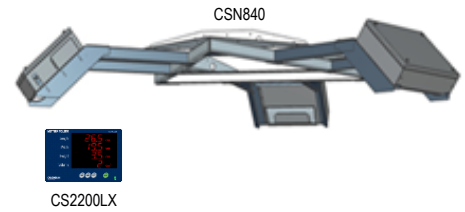
3. Operating Instructions

Stand-alone dimensioner & scale

System: CSN840 with CS2200LX and scale with IND425 / ICX425a.

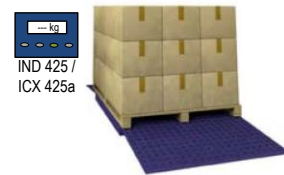
Turning the system on and off:

- CSN840: On/Off switch is found close to right front corner.
- CS2200LX: Powered by the CSN840.
- IND425 / ICX425a: On / Off switch on front / back.
- Scale: Powered by IND425 / ICX425a.



Starting the system:

- After power-on, display shall show READY when system is operational.
- Before each operator shift or power-on, the system should be zeroed:
 1. Check scale alignment (bulb within the ring).
 2. Scale should show 0 g if unloaded. If not, press zero >0<.
 3. Place a test box in the middle of the calibration area.
 4. Press CAL on the display. CS2200LX shows CALIB. If zeroed, it will show CALIB PASS.
 5. After a few seconds, the display will show READY again.



Operating the system:

1. Place pallet on the middle of the floor scale.
2. Press SCAN to start. Display shows SCAN under scan process for 3 sec.
3. Dimensioner and weight information is sent to the Host computer.
4. Only the pallet which is to be measured shall be in the scan field.
5. Following a successful reading, the actual measurements will be shown on the display.
6. If the reading is successful, current measurements for the package will be shown on the display.
7. Ready for next pallet to be measured.



Stopping the system

- No system stop needed.

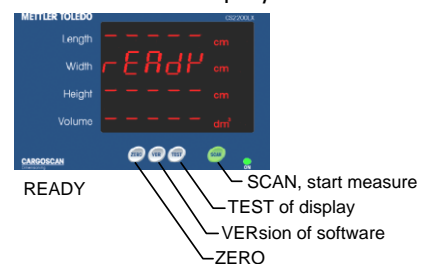
Alarms and errors:

NOTE:

- Continuing measuring after a failing zero process may cause incorrect weight and dimensions.
- See also Operator guide and Installation manual for solving alarms and errors.

Objects to be measured:

- Legal for trade MID: All shapes.
- Non-legal for trade: See Reference manual.



4. Operating Instructions

Integrated system with software

System: CSN840 with PC, monitor and OCTO DataCapture Software. Scale with IND425/ICX425a. Barcode reader.

Turning the system on and off:

Complete system: On/Off switch is found on the electronics cabinet.

Starting the system:

1. Check scale alignment (bulb within the ring).
2. Scale should show 0 g if unloaded. If not, zero the scale by pressing >0<.
3. Ready for operation.

Operating the system:

1. Place a pallet on the middle of the floor scale.
2. Scan the barcode with the Barcode Reader to start measuring.
Or type in barcode information and press ENTER.
Screen turns yellow, showing measuring.
3. If the measurement is approved, the information will turn green.
(Measurement can be cancelled with the F6 button, confirm with F7)
4. OCTO DataCapture software sends measurement result to the Host computer.
5. Only the pallet which is to be measured shall be in the scan field.
6. Ready for next pallet to be measured.

Stopping the system

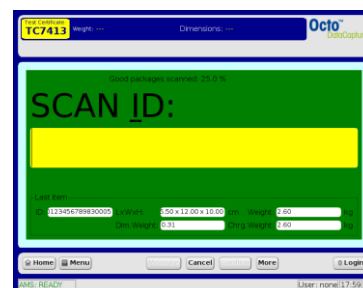
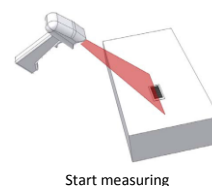
- No system stop needed.

Objects to be measured:

- Legal for trade MID: All shapes.
- Non-legal for trade: See Reference manual..

Alarms and errors:

- NOTE: Continuing measuring after a failing zero process may cause incorrect weight and dimensions.
- Red screen color: -System error or measure error. Operator should check the screen and take action depending on the error. Either cancel the operation, enter the measurements or confirm current results.



www.mt.com/CSN810

For more information

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