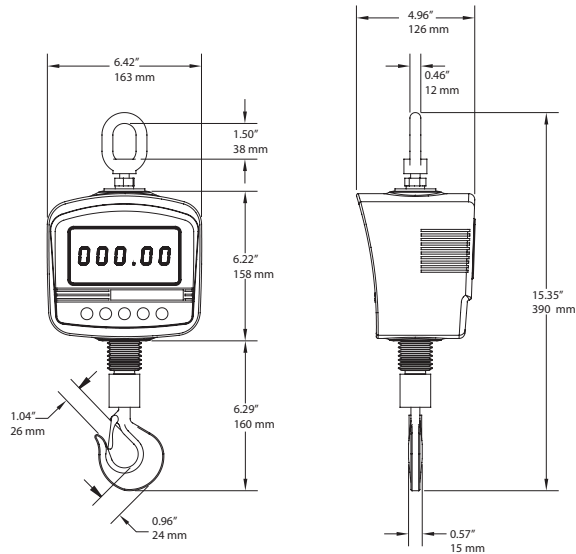


Dimensions



Specifications

Accuracy: $\pm 0.2\%$ Full Scale
Tare Capacity: 10% of capacity
Safe Overload: 300% full scale
Ultimate Overload: 500% SGS Rated
Data Sampling Rate: 60Hz
Display: LCD (Back Lighted)
Units of Measure: lb or kg
Power: 120/240V includes Battery Charger with US, UK and EU Plugs
Battery Charge Time: 12 hrs
Remote Operation: Up to 100 ft (30 m)
Operating Temperature: 32° to 104°F (0° to 40°C)
Relative Humidity: 0 to 85%
Instrument Weight: 5 lbs (2 kg)
Shipping Weights (with accessories): 8 lbs (4 kg)
Warranty: 1 year

Models

Model	Capacity x Resolutions	
CDR-66	66 lb x 0.02 lb	30 kg x 10 g
CDR-132	132 lb x 0.05 lb	60 kg x 20 g
CDR-330	330 lb x 0.1 lb	150 kg x 50 g
CDR-660	660 lb x 0.2 lb	300 kg x 100 g
CDR-1320	1320 lb x 0.5 lb	600 kg x 200 g

Accessories

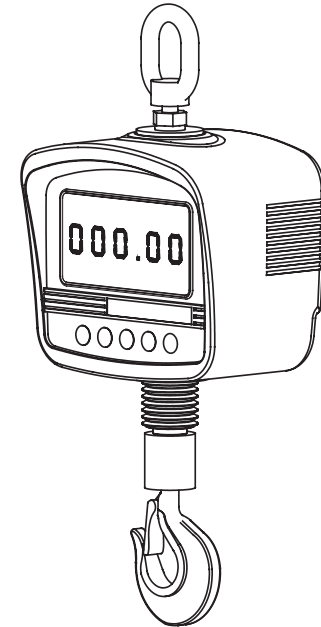
Part No.	Description
DR-Loop	Top Loop (standard)
DR-Hook-S	Bottom Hook for CDR-66 and CDR-132 (standard)
DR-Hook-L	Bottom Hook for CDR-330, CDR-660 and CDR-1320 (standard)
CMAI	Remote Controller with Receiver (optional)
MA-Power	AC Power Charger/Adapter with US, EU and UK Plugs (standard)



This product is ROHS and WEEE compliant.

Chatillon® CDR Series Digital Crane Scale

User's Guide



Product Warranty

This instrument is warranted against defects in workmanship, material and design for one (1) year from date of delivery to the extent that AMETEK will, at its sole option, repair or replace the instrument or any part thereof which is defective, provided, however, that this warranty shall not apply to instruments subjected to tampering or, abuse, or exposed to highly corrosive conditions.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES WHETHER EXPRESS OR IMPLIED AND AMETEK HEREBY DISCLAIMS ALL OTHER WARRANTIES, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. AMETEK SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, ANY ANTICIPATED OR LOST PROFITS.

This warranty is voidable if the purchaser fails to follow any and all instructions, warnings or cautions in the instrument's Instruction Manual.

If a manufacturing defect is found, AMETEK will replace or repair the instrument or replace any defective part thereof without charge; however, AMETEK's obligation hereunder does not include the cost of transportation which must be borne by the customer. AMETEK assumes no responsibility for damage in transit, and any claims for such damage should be presented to the carrier by the purchaser.



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CDR- Guide
February 2010

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CDR Series Digital Crane Scale

Precautions

Read this manual before attempting to operate your scale. If you are unclear about any of the instructions, contact your Chatillon representative for assistance before using this product.



WARNING

The raised hand icon warns of a situation or condition that may lead to personal injury or death. Do not proceed until the warning is read and thoroughly understood. Warning messages are shown in bold type.



DANGEROUS VOLTAGE

The lightning icon warns of the presence of an uninsulated dangerous voltage within the product enclosure that might be of sufficient magnitude to cause serious shocks or death. Never open the enclosures unless you are an authorized and qualified Chatillon service personnel. Never open any enclosure when power is connected to the system or its components.



CAUTION

The exclamation point icon indicates a situation or condition that may lead to equipment malfunction or damage. Do not proceed until the caution message is read and thoroughly understood. Caution messages are shown in bold type.



NOTE

The note icon indicates additional or supplementary information about the action, activity or concept. Notes are shown in bold type.

General Safety

General safety precautions must be followed when using this Chatillon product. Failure to observe precautions and warnings may result in damage to the equipment, or injury to personnel.

It is understood that safety rules within companies vary. If a conflict exists between the material contained in all Chatillon User's Guides and the rules of a company using a Chatillon product, the more stringent rules should take precedence.

Compliance

This instrument has been tested and complies with the following international standards:

This instrument has been tested and certified in accordance to European Council Directive 89/336/EEC and assessed against the following applicable standards:

EN 55022:1998 / A1:2000 / A2:2003 (Class B)
EN 61000-3-2: 2000
EN 61000-3-3:1995 / A1:2001

EN 55024:1998 / A1:2001 / A2:2003
IEC 61000-4-2: 1995 / A1:1998 / A2:2000
IEC 61000-4-3: 2002 / A1:2002
IEC 61000-4-4: 2004
IEC 61000-4-5: 1995 / A1:2000
IEC 61000-4-6: 2003 / A1:2004
IEC 61000-4-8: 1993 / A1:2000
IEC 61000-4-11: 2004

This product has been safety tested by SGS and found to meet the safety overload specification specified.

This instrument is ROHS and WEEE compliant. This instrument uses batteries. Please dispose them properly after use.

Attaching Accessories

Your CDR scale is supplied with a top loop, bottom hook and remote controller. Never use accessories with your scale that are not approved for use by AMETEK, Inc. If an optional accessory is being used, make sure that the weighing capacity of the accessory is known prior to weighing. And make sure that the item being weighed does not exceed the capacity of the accessory or your CDR scale.

The hook supplied with your CDR scale has a maximum load capacity of 500% of the scale's rated weighing capacity.



WARNING

Never use an accessory with your instrument that has not been approved for use by AMETEK, Inc.

Battery Operation

The scale operates using a rechargeable battery. A 120/240V battery charger is included with the scale. The charger comes with US, UK and EU plugs. An indicator on the display shows when battery requires recharging. Allow 12 hrs for a complete charge.

Keypad

The membrane keypad should be used with the fingertip only. Using sharp objects to depress the keys can damage the keypad.



CAUTION

Never use sharp objects to depress the membrane keypad. Use fingertips only.

Power On/Off

Press the ON/OFF key to turn power to the scale On or OFF.

Zero & Tare

Press the Zero key to zero your display prior to each weighing.

When using optional accessories, use the Tare function to tare out the weight of the accessory prior to weighing. You may tare up to 10% of the CDR scale's capacity. When taring is used, the display with show TARE. The display will show a negative value when the Tare function is On and the original accessory has been removed. You should zero the scale to remove the Tare function.



NOTE

When using approved optional accessories, it may be necessary to tare out the weight of the accessory prior to taking a measurement. A negative display indicates that the Tare function is enabled.

Units Selection

The CDR Series can display weight in pounds (lb) or kilograms (kg). Press the UNIT key and hold for approximately 4 seconds to select the desired unit of measure. A status indicator on the display shows the current units.



NOTE

The UNITS key should be pressed and held for at least 4 seconds in order to change the units of measurement.

Hold Function

The HOLD function locks the display when you select the Hold key. Use the Hold key when you have a weight that is unstable. Weigh your material and observe the display. When the display is stable, press the Hold key to lock the display. Press the Hold key again to unlock the display. The display has a status indicator showing when the Hold function is enabled.



NOTE

The Hold function is useful for recording weights on unstable measurements. Allow the display to stabilize and press the Hold key to lock the displayed result.

Sleep Mode

The scale features an automatic sleep mode to help preserve battery life and the display. If no measurements are being taken while the scale is ON, after a 30 minute period, the scale will turn OFF and go into Sleep mode. Subsequent weighing will return the scale to normal operation.

Using Optional Remote Controller

The optional remote controller may be used to operate main functions on your CDR scale from a line of sight distance of up to 300 ft (100 m) away. Extend the antenna fully when using the remote controller. The battery operated remote controller supports these keypad functions: Tare, Zero, Units, Hold. The remote controller cannot be used to turn scale power ON/OFF.

Overloads

You should always guard against overloads. The display will indicate - oL -. Whenever this is displayed, remove weight from the scale immediately.



CAUTION

Overloading the scale may result in permanent damage to the scale's load sensor.

Technical Support

Contact your Chatillon representative where you purchased your scale if you have questions on its operation and applicability to your weighing requirement.

Service

Should your Chatillon product require repair or calibration, contact your Chatillon representative for assistance.