



TOTAL WEIGHING SOLUTION™

# Enduro DXL Series

## Operator/Service Manual



## 1. INTRODUCTION

Congratulations! You have chosen the highest quality stainless steel or mild steel platform available today. The CAS Enduro DXL Series provides you, the user, with the ultimate in scale durability and flexibility. The combination of the rugged construction and high quality, water resistant load cell is designed to provide the highest degree of accuracy while maintaining the durability necessary to hold up to hostile industrial environments. Please be sure to read this entire manual to assure yourself of getting all the benefits of these and the other features of the CAS Enduro DXL Series. All scale platforms are backed by a full 2 year factory warranty. Should you have any problem, contact your authorized CAS dealer.

## 2. UNPACKING AND INSTALLATION

### \*\*CAUTION\*\*

Before proceeding to unpack your scale platform, please note that although it is a highly durable industrial scale platform, it is also a sensitive weighing instrument. Normal care should be taken when handling and using the scale platform. Please observe the following precautions to insure years of trouble free service from your scale platform.

- \* DO NOT drop the scale platform.
- \* DO NOT drop objects onto the scale platform.
- \* DO NOT pick up the scale platform by the "spider"
- \* DO NOT immerse the scale platform.
- \* DO NOT wash the scale with corrosive solutions.

Improper handling, abuse, or use of corrosive solutions can cause scale failure and damage to the platform. This may void your warranty and result in costly repairs to your unit.

Carefully remove the scale platform and the platter from the shipping carton. Be sure to retain the shipping carton and all packing material in case reshipment is required.

When choosing a location for the scale platform, keep in mind that the spot should be on a sturdy horizontal surface that is free of vibration and air currents. Vibration from heavy equipment or appliances and air currents from fans, heating ducts, etc. can cause bounce on the scale display.

Place the scale platform in its desired location. Level the platform by adjusting the four corner feet until the bubble in the bubble level, located beneath the top platter of the platform, is within the center circle. After a level condition is achieved, test for a stable condition by trying to rock the platform backward and forward and side to side. Make final adjustments to the feet for stability.

### 3. ELECTRICAL SPECIFICATIONS

The following chart illustrates the load cell output based on the capacity of the scale platform (in lb) and load cell capacity (in kg). The load cell output is based on a nominal output of 2mV/V at rated load cell capacity (i.e. if 30kg is placed on a 30kg load cell, it will have an output of approximately 2mV/V).

Model	Size (Inches)	Capacity (lb)	Load Cell (kg)	Signal output at capacity (mV/V)
DXL-10002	10 x 10	2	3	0.6
DXL-10005	10 x 10	5	5	0.9
DXL-10010	10 x 10	10	10	0.9
DXL-10025	10 x 10	25	15	1.5
DXL-10050	10 x 10	50	30	1.5
DXL-12050	12 x 12	50	30	1.5
DXL-12100	12 x 12	100	75	1.2
DXL-15050	15 x 15	50	30	1.5
DXL-15100	15 x 15	100	75	1.2
DXL-15200	15 x 15	200	100	1.8

### 4. LOAD CELL CABLE LEGEND

The following legend describes the load cell cable color code with the description of each colored wire in the cable. Please note that it is important to make sure that the scale platform is electrically connected to earth ground either through the load cell cable shield (via the lug terminated green wire) or by directly connecting the scale platform to earth ground with an additional wire. This will reduce static and other noise from being induced into the indicator.

For a 6-wire indicator, color code is as follows:

Wire Color	Function
Red	+ Signal
White	- Signal
Green	+ Excitation
Black	- Excitation
Blue	+ Sense
Brown (or Yellow)	- Sense
Green with star lug (shield)	Scale platform ground

For a 4-wire indicator, color code is as follows:

Wire Color	Function
Red	+ Signal
White	- Signal
Green and Blue*	+ Excitation
Black and Brown (or Yellow)	- Excitation
Green with star lug (shield)	Scale platform ground

\* **Note:** Connect the + Sense and + Excitation together as well as the - Sense and - Excitation together.



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## Limited Warranty Statement

CAS Corporation warrants its products to be free from defects in material and workmanship for a period of two (2) years from date of shipment. Any product found to be defective within this time period may be returned to the CAS factory, freight prepaid, with prior return authorization for repair or replacement at no charge.

CAS' liability under this warranty is limited to the repair or replacement of the defective product and in no event shall CAS be liable for consequential or indirect damages to equipment or personnel. Nor shall CAS be liable for damages to equipment or for personal injury caused by misuse, overload, accidental damage, alteration, improper installation, or unauthorized opening of the equipment. Under no circumstances will CAS be responsible for any indirect or consequential damages due to errors in weighing or failure of a CAS product to perform properly.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. THIS WARRANTY CONSTITUTES CAS' EXCLUSIVE WARRANTY. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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