



Vision Dynamic Excavator Scale



VISION EVOLUTION is a dynamic, onboard weighing system for all sizes of excavators. Using the latest technology available, the electronic circuits and the user interface have been upgraded offering the 'best of breed' on the market for design and functionality.

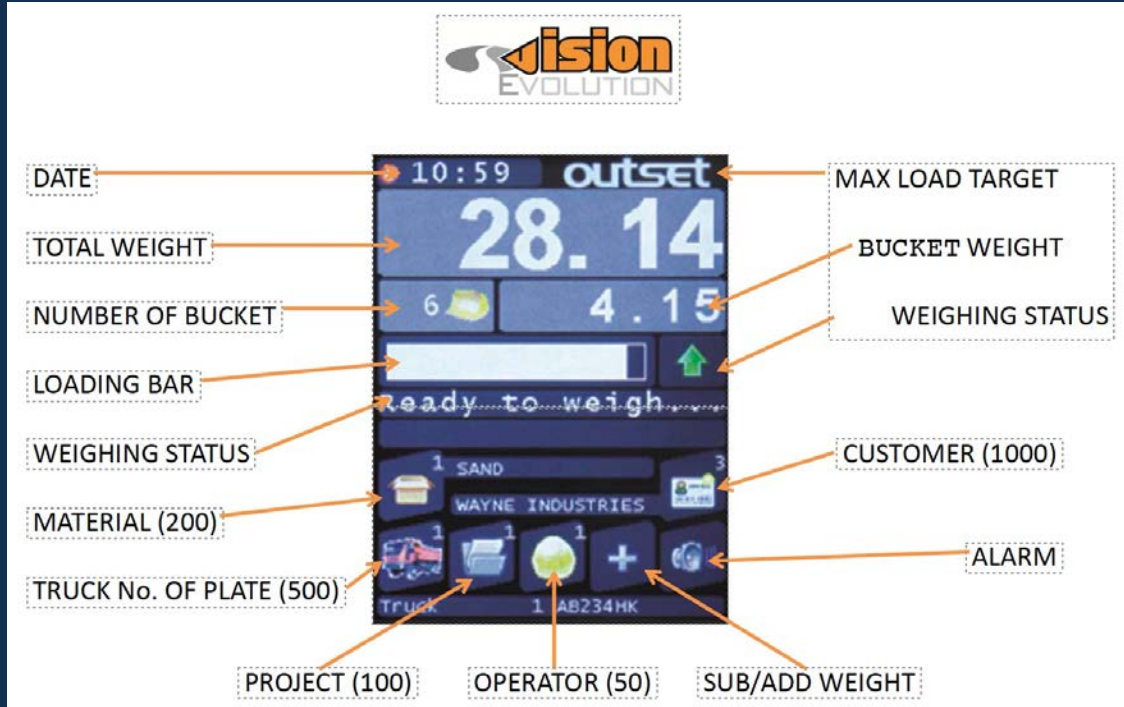
Users will appreciate the precision and reliability of the dynamic weighing feature during vehicle loading. The typical system error is +/-3% or less of the machine capacity. With large color graphics, a user friendly icon based menu system and a navigation wheel for movement throughout the system, users will enjoy the ease of use of the display.

The system features 2-pressure transducers that read the hydraulic pressure of the boom lift cylinders. An Angle sensor on the Boom and another angle sensor placed on the Stick provide positional data to assist with the weight calculation.

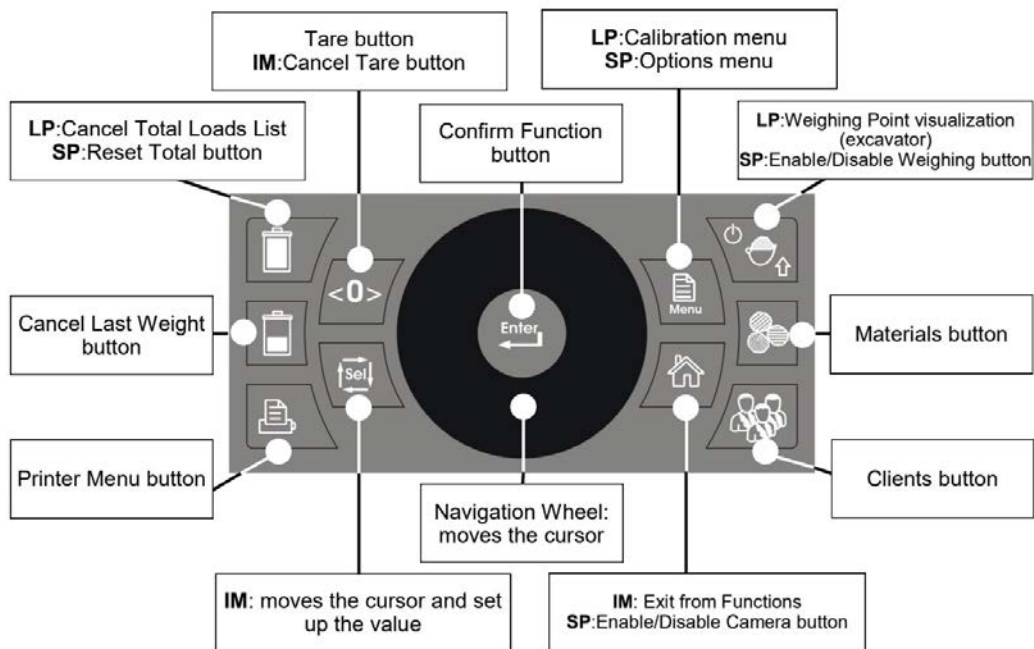
Key Product Features:

- Show Bucket Weight, Total Weight Loaded, Number Of Buckets
- Display Customer Name/Code, Machine Operator and Material
- Manage Data via Vehicle License Plate, Carrier, Destination and Reason for The Load
- Automatic Tare selection
- Dynamic weighing without stopping the lifting movement
- Data Logging using an SD Memory Card for transferring data to a PC.
- Perform weighing in Automatic Mode or manually with the operator pressing a button
- Set Target Load with Indicator Light confirmation
- Set the maximum load for different vehicles
- Recipe setup for managing different types of materials in the same mixture (manual or automatic)
- Customer & Operator management with codes and descriptions
- Print: single load, total load weight, period summary (day, month, year), data grouped by material type loaded

Vision Display Layout



2.2 Keypad



SP:Short Press

LP:Long Press

IM:Inside the Menu



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Vision Display Navigation



Using the Navigation Wheel, move onto the desired icon and press the  button. Simply move with the Navigation Wheel to select the desired data and confirm with the  button.



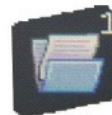
to select the different types of materials

to select the clients



to select the different vehicle's number of plate

to select the different types of projects



to select the operator

with positive sign (+), the weight increases
with negative sign (-), the weight decreases
from a preset target weight



to enable/disable the weighing wait sound signal (excavator)



Vision Sensor Locations, Technical Data-Remote Communications



Pressure Transducers
Install on the
Boom Lift Cylinders



One Angle Sensor is installed on the boom, another
angle sensor is installed on the stick

Technical Data

Power Supply	10-32 Vdc
Working Temperature	-4°F to +158°F
Display	Color LCD Display
Serial Port	RS-232C/ + 1 Auxiliary
Increments	2-200 LBS
Display Dimensions	6.29" X 8.26" X 3.385"
Protection Level	IP65
Optionals:	Ticket Printer
	Software Data Transfer to PC
	Memory Card
	Transmission Data
	External Camera



Remote Data Communications Option

Should your application have a need for remote reporting and remote data transfer, let us know what your application requirements are and we will work with you on a solution.



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