



DINI AR GEO
Scales - Weighing systems



electronic modular
WEIGH BRIDGE

Electronic modular weigh bridge

WBSA type "America" series: painted steel load surface

- The strong and rigid load surface in sheet steel, with 10mm thickness, ensures the maximum integrity withstanding all types of redundant exertion or strain.
- The absence of trapdoors and nuts on the transit surface guarantees stability and silentness.
- Extremely rigid structure, in moulded reinforced arc-welded sheet steel.
- Perfect distribution of the forces, for an optimal and precise weighing in all conditions.
- Protection from electric discharges, lightning, or power surcharges; complete with braids for grounding.



- Advanced anticorrosive treatment of the materials, obtained through double layer painting, with rust-proof varnish and a subsequent layer of polyurethane varnish, used in the naval industry.
- The quality of materials and the technology used in the development, together with the oversizing

of the structure, guarantee the maximum resistance in any environmental condition and to any strain, as well as a long-lasting duration of the platform.

- The smooth surface of the platform eases the cleaning operations of the weigh bridge.

1 Near the load cells there are removable covers, which allow access for ease of maintenance.

2 Double shear beam load cells in IP58 nickel-plated steel together with spherical selfcentering oscillating joints, which compensate for all types of thermal expansion.

3 Adjustable control stops, against knocks and horizontal stresses.

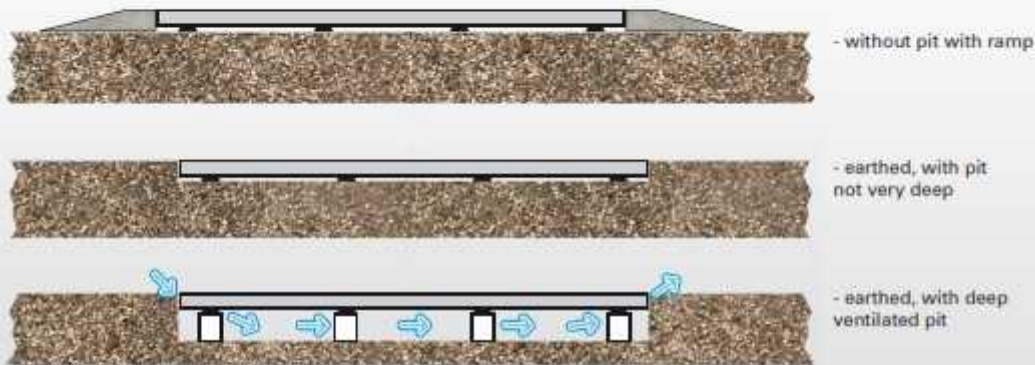


Sturdy, accurate and efficient, this weighbridge guarantees the best weighing performance in any environmental condition.

- The reduced weight and size of the modules which make up the platform, particularly ease the transport, handling, and installation.
- Simple and bolt together assembly.
- The modular construction enables you to lengthen the weighing surface before or after initial installation if required.



The low profile design of the platform allows for installation without a pit as well as a flush floor installation (with pit):



Code(*)	Dimensions (metres) L x P x H	Nr. of Cells	Number of modules	Capacity Kg (**)	Division kg
WBSA9	9 x 3 x 0,44	6	4 x (1,5 x 4,5m)	30000 / 50000	10 / 20
WBSA14	14 x 3 x 0,44	8	6 x (1,5 x 4,67m)	30000 / 60000	10 / 20
WBSA18	18 x 3 x 0,44	8	2 x (1,5 x 6,4m) + 4 x (1,5 x 5,8m)	30000 / 60000	10 / 20

(*) note: all the versions are approvable



(**) note: the dual range allows to automatically switch the weighing division, obtaining better accuracy on the lighter weights and greater capacity of the weighing system.

Electronic modular weigh bridge:

3590 "AF03" weight indicator



Weight repeater with 6 digits 60 mm high, highly efficient LED matrix display, for viewing in full sunlight



Printers for tickets; continuous module printers



Bar code or badge reader; serial line interfacing or keyboard emulation



QWERTY type keyboard in order to ease the operations (also QWERTZ and AZERTY)



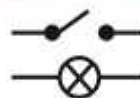
Ethernet or WiFi or Modem radio for integration of the scale to the computer system



16 bit analogue output programmable as:
0 - 10Vdc; 4 - 20mA; 0 - 20mA



RS485 or RS422 interface



Expansion of 4 digital inputs + 8 relay outputs for managing automatems and configurable sat points



DGT: high performing Digital junction box



Management of automatism



Second indicator for remote work station



Computer PC

Main functions

- Simple weighing and printing of the weight data
- In/out weighing with management of single vehicles or with trailer.
- "A+B" function, or, in other words, simultaneous weighing on two independent platforms, with possibility of viewing the single weight and its sum.
- Storage of the input weighs, through weigh identification code (ID) or plate of the vehicle; automated weighing; management of badge and bar code readers.
- Management of external automation, such as control lights, sway bars, photo cells, thanks to the 2 fitted inputs and the 3 outputs.
- Management of various databases: customers (500), materials (500), vehicles (500), expandable with WinTruck on PC
- Completely configurable printouts; printing of the weigh data on continuous module, ticket, or cash journal.
- Automatic recalibration warning, useful for the periodic verification of the system.
- Diagnostic function of the load cells, of the inputs/outputs, of the analogue output and of the main hardware components.

Available options:

- Alibi memory, for fiscal verification of the weighs made.
- Memory card, for storing all the executed weighs; the stored data is completely configurable
- ATEX version 
- Approvable 



Memory card writer, complete of card



Touch screen complete of smart card reader, for advanced self-service systems

WinTruck:

Optional application programme

for managing the input and output weighing operations:



- Databases of Suppliers, Customers, Consignees, Materials, Couriers.
- Storage of all the weighs made with possibility of printing or exporting the data.
- The data is exchanged in XML format (extensible mark-up language) which guarantees the greatest degree of compatibility with the most widespread systems in the market.
- Management and Printing of input/output tickets totally configurable by the user with Windows compatible printers or with serial printers/labellers.
- Limitation of the allowed functions depending on the operator that is connected.
- Storage/export of the data on any DBMS (database manager system) which can make a OLE DB provider OLE DB (access driver in ADO technology version 2.6).
- Importation of data upon customer specifications from a .CSV file.
- Management of alibi memory for approved systems.

Completely customizable printing of tickets or cards

YOUR LOGO		
MPLP		
DATE	TIME	WEIGHT
15/01/2007	10:00	30
PLATE	TYPE	
AA123BB	CLAY	
CUSTOMER		
SMITH LTD		
WEIGHT	WEIGHT	
5000	5000	
WEIGHT		
DATE	WEIGHT	
15/01/2007	6000	
DATE	WEIGHT	
11/00	5000	
DATE	WEIGHT	
1000	1000	

MPLP 00011 001	
DATE	
15/01/2007 10:00	
WEIGHT	
30	
PLATE	
AA123BB	
TYPE	
CLAY	
CUSTOMER	
SMITH LTD	
WEIGHT	
5000	
WEIGHT	
6000	
WEIGHT	
5000	
WEIGHT	
1000	

USCITA: 2000kg

SCARICATO: 2000kg



Dini Argeo, with its Assistance Network present all over Europe, guarantees a qualified and efficient post-sales Service offering:

- Installation and testing.
- Metrological Verification
- Technical assistance, spare parts, and programmed maintenance.
- Telephone support and rapid intervention service.
- Control and calibration service with release of test report according to the EN 45501 norms.

From defining the specific needs in the purchasing phase to the post-sales assistance, Dini Argeo offers a reliable and highly qualified support for a complete all-inclusive service.



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