DD2050

Self Weighing Processor

Sasco is a dynamic weighing solutions focused company which procures and supports a leading range of globally sourced industrial weighing technologies. Sasco has the highest metrological ranking of any Southern and Central African company, and as a result of our experience gained through 100 years of operation, we are uniquely positioned to specify and supply optimal weighing equipment, automation and weighing information data solutions to Southern and Central Africa's leading industrial companies. Sasco reputation has been built on innovation and choice underpinned by professionalism, modernity and experience.

GENERAL

The DIADE Series processing terminal combine computer programming power and flexibility together with the measuring requirements of a weighing instrument; particular with the DD2050 model the user can carry out the weighing operations independently, without the presence of an operator.

The user can be identified by many device types:

• Optic
• Magnetic
• Proximity

THE FUTURE OF WEIGHBRIDGES

APPLICATIONS

The DD2050 processor can be installed for weighing from the ground or directly from the vehicle. The Self Service operation makes the terminal suitable for many applications in which there is the need to manage materials delivery or picking with a diverse and variable number of uses.

Proximity Reader

Optic Reader

ADVANTAGES

• Use without the presence of personnel during the access, identification and weighing operations. For example with the DD2050 processor it is possible to connect to optic systems for number plate recognition, together with traffic lights and control barriers for the automatic control of vehicle access.

Receipt Printing

Double Magnetic & Bar Code Reader

• Operations are faster and the logistics of the involved area is improved accordingly.

• Easy collection and management of data and information.

FEATURES AND PRINCIPLES

ROBUST AND SUITABLE FOR ANY OPERATING ENVIRONMENT: The height adjustable support post makes it possible to use the terminal from the ground level or directly from the vehicle. Designed using materials suitable for outdoor applications or for use in harsh and aggressive environments; it comes complete with protective cover and can be fitted with an anti-vandal door.

The DD2050, constructed from AISI 304 stainless steel, is equipped with all the necessary features to guarantee maximum reliability, even in the harshest conditions. When exposed to the adverse climatic conditions, for example extreme heat or sub-zero temperatures, they tried and tested thermoregulation system ensures the instrument continues to operate correctly.

The indicator is designed to prevent the formation of internal condensation or excess temperatures that can adversely affect operating efficiency. The instrument is also equipped with an 80mm thermal printer for receipt printout. This latest generation printer is highly reliable, featuring: automatic cutter, jam-proof system, paper pre-tensioning system, illuminated ticket delivery outlet and Automatic Status Backup System: if the receipt is not collected, it is retained with a secure container.

FAST AND SIMPLE TO USE: The 12.1" colour "touch screen" display with extended operating temperature range, is legible even in bright sunlight. The screen layout can be readily personalized via the easy-to-understand icon graphics that make it very simple to use. Implementing the optional voice guidance feature can further enhance ease of use.

MAXIMUM APPLICATION FLEXIBILITY: DD2050 terminals are equipped with metrological software for weighing management. Optional applications software makes it possible for users to customize all the functions and graphics required for their own specific operations.
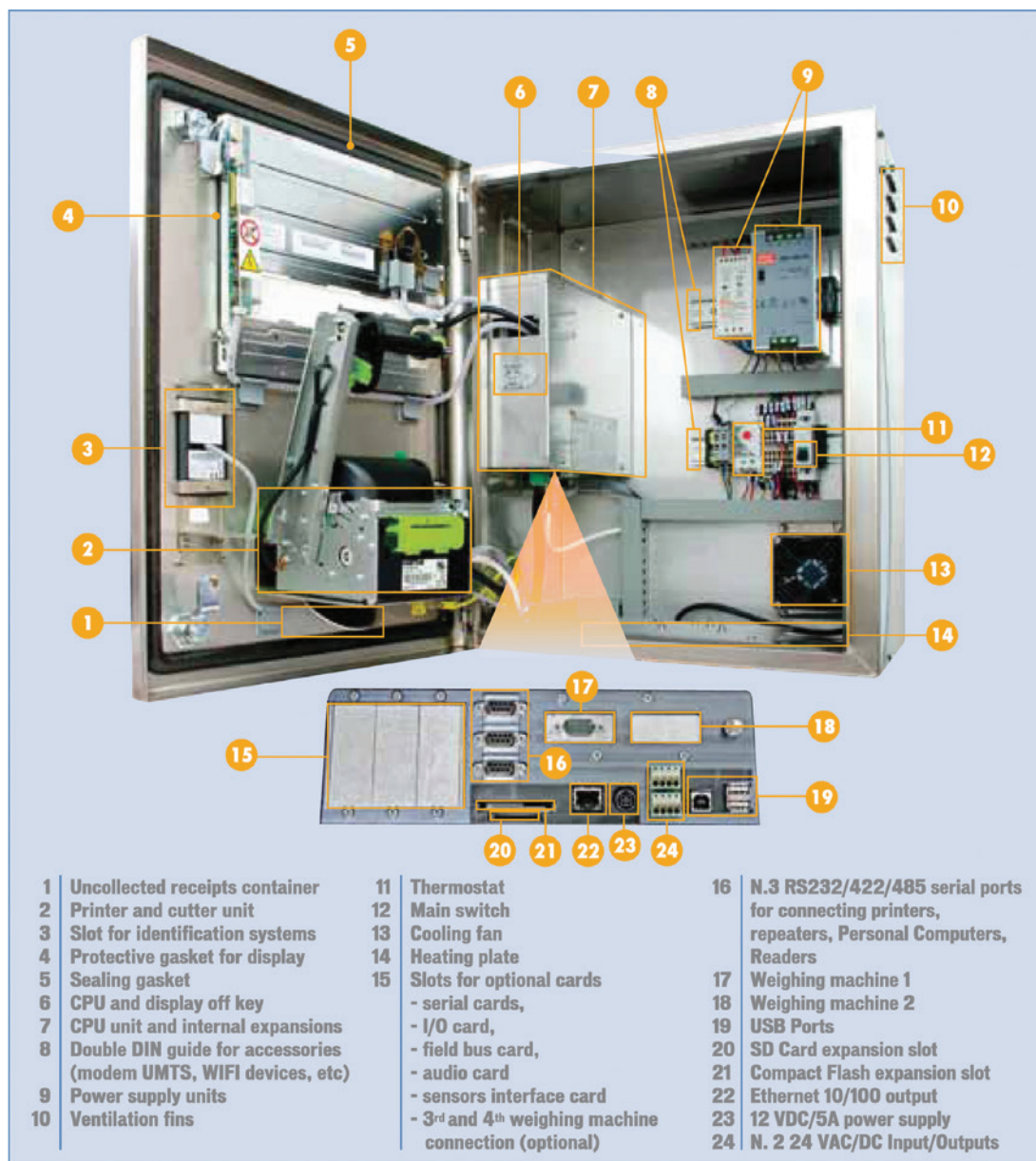
SOFTWARE OPTIONS

DIADE Series terminals are equipped with weight measuring software. It is also possible to use this instrument with software designed for a diverse number of applications.

VEHICLE WEIGHING packages are available that can be connected directly to a wide range of management systems for the export/import of data. In addition to calculating net weight, it is also possible to manage the additional data.

WASTE & RECYCLING MANAGEMENT software for waste processing sites, software for logistics, filling/emptying operations and for the Food Industry processing operations are also available.

TECHNICAL SPECIFICATIONS

1	Uncollected receipts container	11	Thermostat	16	N.3 RS232/422/485 serial ports for connecting printers, repeaters, Personal Computers, Readers
2	Printer and cutter unit	12	Main switch	
3	Slot for identification systems	13	Cooling fan	
4	Protective gasket for display	14	Heating plate	
5	Sealing gasket	15	Slots for optional cards	17	Weighing machine 1
6	CPU and display off key		- serial cards,	18	Weighing machine 2
7	CPU unit and internal expansions		- I/O card,	19	USB Ports
8	Double DIN guide for accessories (modem UMTS, WIFI devices, etc)		- field bus card,	20	SD Card expansion slot
			- audio card	21	Compact Flash expansion slot
9	Power supply units		- sensors interface card	22	Ethernet 10/100 output
10	Ventilation fins		- 3rd and 4th weighing machine connection (optional)	23	12 VDC/5A power supply
				24	N. 2 24 VAC/DC Input/Outputs