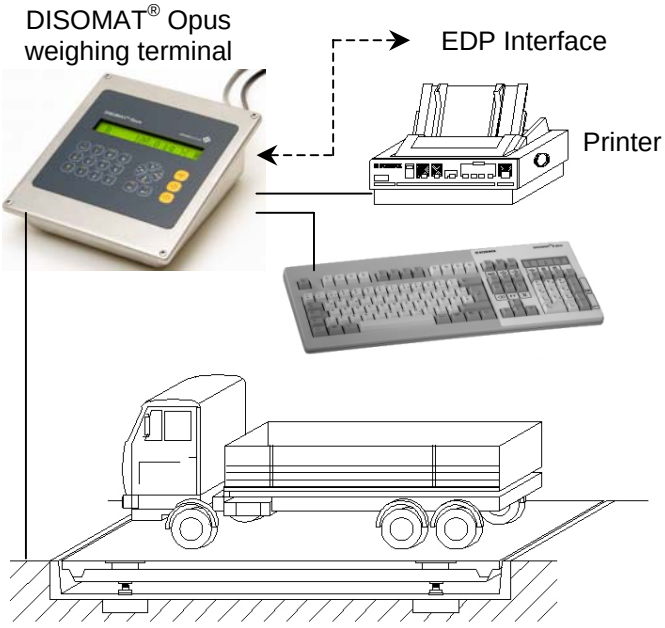
DISOMAT® Opus - ZEUS Weighbridge



Weighbridge

- **DISOMAT® Opus Road/Rail Weighbridge application package**
- **Easy operation**
- **Legal-for-trade measurement value transducer for use in PC controlled scale workplaces**
- **Integrable legal-for-trade memory**
- **Separate strike-key keyboard for alphanumeric input**
- **Also suitable for use as static rail weighing system**

Application

This application program ZEUS provides DISOMAT® Opus with the basic functionality of a road or rail weigh-bridge.

The weights acquired on incoming and outgoing vehicle during first and second weighing are used to determine the NET weight of load.

Single weighing operations can also be performed.

For every single vehicle, a data record is prepared and transferred to the connected printer via printer interface.

In addition, DISOMAT Opus is excellently suitable for use as legal-for-trade measurement value transducer for scale control via PC.

Connected with an EDP system, DISOMAT Opus offers a convenient backup mode.

Construction

The ZEUS application package is a component of the software of DISOMAT Opus. It is activated after you acquire the license.

If desired, the known scale and calibration parameters can also be set by SCHENCK.

DISOMAT Opus ZEUS comes with separate strike-key keyboard and suitable printer complete with connecting cable.

In place of the printer, ZEUS can also be equipped with integrated legal-for-trade memory.

Function

First-/ Second Weighing

The vehicle is weighed upon plant entrance.

The weight is put into intermediate storage under the truck license or wagon number.

First weighing data are transferred to printer interface or registered in the legal-for-trade memory.

The outgoing vehicle is weighed again.

The stored weight is identified using the truck or wagon number.

The difference in weight equals the material amount loaded or unloaded in plant.

When a printer is connected, the weights from first and second weighing are finally printed out on the weighing certificate including the calculated net weight (see below).

Querying the vehicle number / wagon number and sort number can be suppressed by configuration for simple applications that have to be done quickly. The data record of first weighing is maintained as long as possible even after second weighing. This makes it possible to repeat second weighing, for instance if there is an overload. If first weighing is done for the vehicle again or if the first-weighings file is full, the data record is deleted.

Single Weighing

Vehicle is weighed once-only; TARE weight of load can be entered in manual, for system to acquire the NET weight.

Weighing Using Fixed Tare Weight

This mode is designed to acquire the weight of load using the acquired totals weight and the stored empty weight of the vehicle.

File Update Functions

These functions let you Delete / Edit / Print the contents of:

- Materials file
- Vehicle file
- Fixed tare file

Function of Printer

(if present)

- Printout of acquired weights
- Printout of stored data contents

Files

- First weighings file for storage of 99 input weighings
- Fixed tare file for storage of 25 empty weights of known vehicles
- Materials file for storage of 25 material types

Summating Function

The total amount of a certain material type loaded/unloaded is acquired and can be displayed and printed out at any time.

Signal Control

Designed for control of input/output signals existing or supplied, with the following functions:

- When vehicle drives onto scale, entrance and exit are closed (RED signal).
- If weighing is complete, exit signal turns GREEN.
- If scale is totally relieved, entrance signal also turns GREEN and scale is ready for next weighing operation.
- Signal system can be connected to the device direct using an external control system.

Weigh slip output on printer, if any

Date	Time	Cons no.	Mem. no.	Truck no.	Material no.	Material name	Weight of load on scale	Stored first weight	NET weight
04.10.01	14:27	0021	06	DA-DB 2344	01	Sand	<8,42 t>	B	
04.10.01	14:27	0022	06	DA-DB 2344	01	Sand	<20,92 t>	B	
								<8,42 t>	B
									12,50 t
							Weigher		

Variant	Ordering Nr.
DISOMAT Opus Maxi, VKG 20700 Zeus, Stainless steel unit IP65 for desk-top or wall installation with an activated Zeus 'road weigh bridge' application package, remote keyboard, printer cable and operating manual.	V040081.B01 (de) V040081.B02 (gb)
DISOMAT Opus Maxi, VKG 20700 Zeus, as above, but with VMM 20700 legal-for-trade memory, no printer cable.	V040080.B01 (de) V040080.B02 (gb)
Activation for Zeus 'road weigh bridge' application package.	V040079.B01

Options
Secondary- and Large-size Display Units as per technical data sheet BV-D2003
Signal System BV-D2296
Gate System BV-D2298

Schenck Process GmbH
Pallaswiesenstr. 100
64293 Darmstadt, Germany
T +49 6151 1531-1216
F +49 6151 1531-1172
sales@schenckprocess.com
www.schenckprocess.com