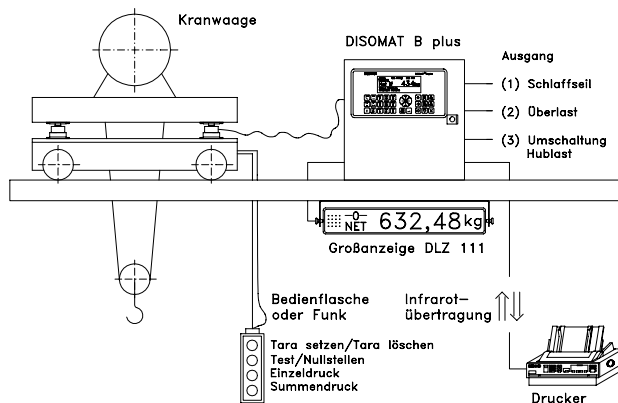


## DISOMAT® B plus - Crane Scale



- Crane Scale application package
- Control of weighing functions via crane pendant keys
- Remote printer protocol for infrared data transmission
- Variable print pattern formatting
- Slack rope and overload reporting contacts
- Collective load memory (optional)
- Legal-for-trade data storage (optional)
- Two-measuring-channel variant for dual-trolley cranes

### Application

The Crane Scale function block linkage provides all functions required for DISOMAT® B plus to control a crane scale from crane cabin or ground station.

### Construction

Permanently stored in the DISOMAT® B EPROM, linkage can be loaded by user and changed to suit his specific requirements.

Individual functions, operating instructions, function block diagram and parameter table are detailed in the Operating Manual.

If required, setting can be made by Schenck with known scale and calibration parameters as well as requisite function block parameters, such as MIN/MAX thresholds, being adapted accordingly.

### Function

All weighing functions can be triggered via input contacts from keys on pendant or via radio transmission. Cab controlled crane scales are operated direct from DISOMAT® B plus keyboard.

Before weighing start, the weight of auxiliaries can be tared off.

The weighing result can be printed in form of a list.

Signal lamp array on large-size display DLZ 111 indicates printing in progress.

To avoid double printing, no new print job is accepted before scale has been unloaded.

Every (aborted or completed) weighing operation is automatically totalised with weigh data being printed once weighing is complete.

Depending on TARE status, GROSS or NET weights are totalised; the accumulation comprises weight total and the total number of weighings operations. Accumulation can be displayed and printed.

### Input/Output Contacts

[values in brackets optional]

#### Inputs

- Acquire / Clear Tare
- Set to Zero / Test / Acknowledge Error
- Weigh and Print
- [Print Total]
- [Scale 1 Hoist Active]
- [Scale 2 Hoist Active]

#### Outputs

- Slack rope (Gross < 0)
- Overload (Scale 1)
- Change Over Load To Be Lifted Scale 1 (higher lifting capacity)
- Ready
- [Slack rope Scale 2]
- [Overload Scale 2]
- [Change Over Load To Be Lifted Scale 2]
- [Overload Total (Scales 1+2)]

#### Function Keys

- Acquire tare
- Clear tare
- Display tare
- Key-in tare
- Set to zero
- Enter string
- Print single weight
- Print total / reset balance
- Repeat printing
- Test functions

#### Options

- Printer
- Large-size displays
- Legal-for-trade memory
- Data transmission
- Bus interfaces
- Collective load memory
- Second measuring channel

Print Pattern (sample default setting, easy to change on device)

#### Single Printout:

| Date     | Time     | No. | Cons. (String) | Weight       |
|----------|----------|-----|----------------|--------------|
| 23.04.01 | 12:10:00 | 151 |                | <99,0kg>B    |
| 23.04.01 | 12:25:00 | 152 |                | <100,5kg>Net |

With cab controlled crane scales, you can enter a product data string for each printout.

String remains stored until being overwritten.

#### Single Printout With String:

| Date     | Time     | No. | Cons. (String) | Weight       |
|----------|----------|-----|----------------|--------------|
| 23.04.01 | 12:10:00 | 151 | 333-247-A      | <99,0kg>B    |
| 23.04.01 | 12:25:00 | 152 | 333-247-A      | <100,5kg>Net |

#### Totals Printout:

|          |          |    |  |             |
|----------|----------|----|--|-------------|
| 23.04.01 | 12:30:00 | 30 |  | 3001,5kg SU |
|----------|----------|----|--|-------------|

#### Variants

|             |  |
|-------------|--|
| V011121.B01 | DISOMAT® B plus panel-mounting unit in field housing<br>1 measuring point, no infrared, no collective load memory  |
| V011121.B02 | DISOMAT® B plus panel-mounting unit in field housing<br>1 measuring point, infrared, no collective load memory     |
| V011121.B03 | DISOMAT® B plus panel-mounting unit in field housing<br>1 measuring point, no infrared, collective load memory     |
| V011121.B04 | DISOMAT® B plus panel-mounting unit in field housing<br>1 measuring point, infrared, collective load memory        |
| V011121.B05 | DISOMAT® B plus panel-mounting unit in field housing<br>2 measuring points, no infrared, no collective load memory |
| V011121.B06 | DISOMAT® B plus panel-mounting unit in field housing<br>2 measuring points, infrared, no collective load memory    |
| V011121.B07 | DISOMAT® B plus panel-mounting unit in field housing<br>2 measuring points, no infrared, collective load memory    |
| V011121.B08 | DISOMAT® B plus panel-mounting unit in field housing<br>2 measuring points, infrared, collective load memory       |
| V011121.B09 | DISOMAT® B plus stainless steel unit<br>1 measuring point, infrared, collective load memory                        |
| V011121.B10 | DISOMAT® B plus stainless steel unit<br>2 measuring points, infrared, collective load memory                       |

#### All variants include

- Mounting tools for field housing
- DLZ 111 with mounting tools
- Documentation ( including all wiring diagrams)
- Setting of scale parameters
- Parametrisation of collective load memory, if any.

Further configurations available upon request. For more information on DISOMAT® B plus Crane Scale, see Manual BV-H2133AA.