

## Display and Control Units



- Easily-readable, highcontrast display
- Rugged, washable keyboards
- Industrial, versatile program for a variety of applications and local conditions
- Legal-for-trade
- Use in explosion hazardous areas

### Application

The specified units are used both as primary display and control units for the various DISOMAT weighing electronics and as local secondary displays or secondary control stations if the DISOMAT is installed remote from the scale.

### Equipment

Adaptable to the application, the units may be supplied in panel-mounting, wall-mounting or desk-top design as well as in a rugged stainless steel housing. The bright displays with character size 7- 30 mm are based on LCD or LED techniques.

The control units are equipped with washable membrane keyboards. The individual keys are provided with a tactile touch.

### Functions

The keyboards include a/n-characters, special weighing functions and user-programmable keys for process-specific functions.

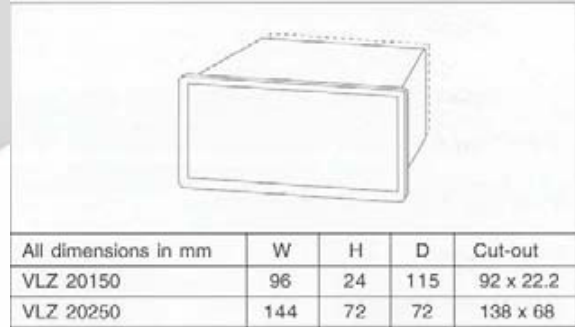
Depending on type, the following data are displayed:

Weight value, Status information, information on process sequence and notes on user intervention.

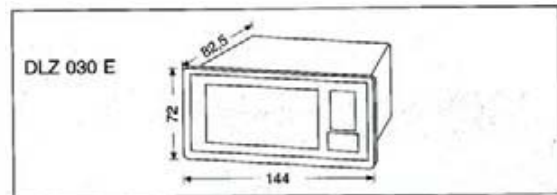
## Unit dimensions



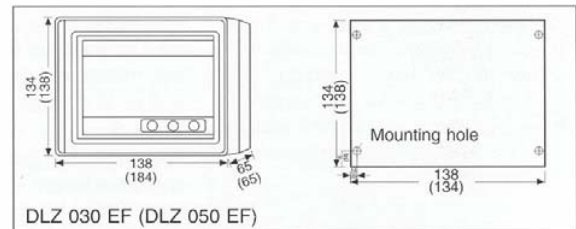
VLZ 20150  
VLZ 20250



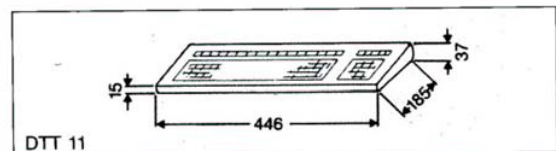
DLZ 030 E



DLZ 030 EF  
DLZ 050 EF



DTT 11



**Unit dimensions**

**DTA x 10 / DT x 10**



DTA 20410 / DTA 510

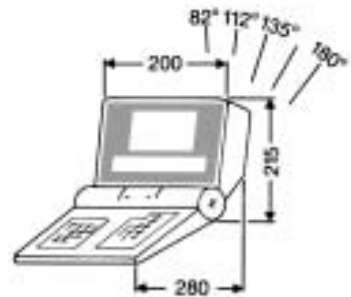
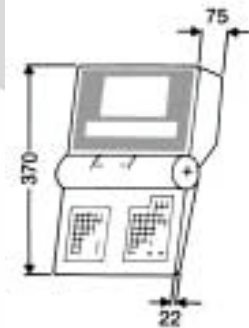
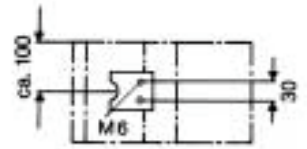


Table and bracket-mounting



DT 20410 / DT 510



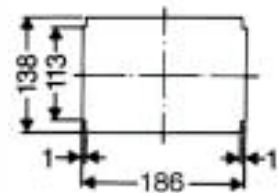
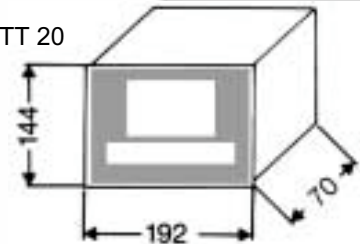
**DTA x 20 / DTT 20**



DTA 20 / DTA 20410 / DTA 520



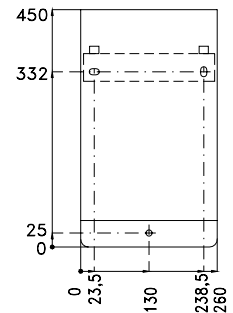
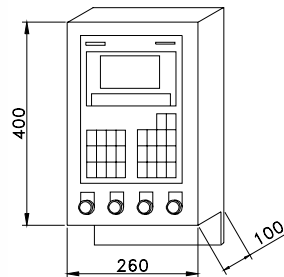
DTT 20



Cut-out as per DIN 43700



DT 20430 / DT 530



## Technical Data

|                        | VLZ 20150             | VLZ 20250             | DLZ 030E / DLZ 030EF / DLZ 050EF               | DTT 11                 |
|------------------------|-----------------------|-----------------------|--|------------------------|
| Display principle      | LED, 7- segment       | LED, 7-segment        | LCD  | ---                    |
| - Colour               | Red                   | Red                   | Black  | ---                    |
| Engineering unit       | G / kg / t            | G / kg / t            | Selectable                                     | ---                    |
| Number of digits       | 6                     | 5                     | 4-stellig                                      | ---                    |
| Character height       | 14 mm                 | 25 mm                 | 30 mm / 30 mm/ 50 mm                           | ---                    |
| Keyboard               | None                  | None                  | None   | Alphanumeric, membrane |
| Protection type        | IP40, optional IP65   | IP40, front           |  | IP65                   |
| Ambient temperature    | 0...60° C             | 0...60° C             | -10° C bis 50° C, 65° C @T5                    | -10...50° C            |
| Legal-for-trade        | No                    | No                    | No   | Yes                    |
| Explosion-proof design | No                    | No                    | EEx ib IIC T6 for ATEX Zone 1                  | No                     |
| Housing                | Panel-mounting        | Panel-mounting        | Panel-mounting / filed housing / filed housing | Desk-top housing       |
| Data Interface         | RS232; RS422/485      | RS232; RS422/485      | Analog   | ---                    |
| Connetion              | TTY 20mA              | TTY 20mA              | 4...20 mA                                      | ---                    |
| Ext. supply voltage    | all Disomats          | all Disomats          | DISOMAT Bplus, S, T                            | DTA 10, DTA 20         |
| Max. cable length      | 16-30VDC, 230VAC opt. | 16-30VDC, 230VAC opt. | ---  | ---                    |
| Ordering No.           | 100 m                 | 100 m                 | 750 m  | 2 m                    |
|                        | E054592.01/02 (IP65)  | E054593.01            | E909034.01 /E909034.02 / E909033.01            | D706938.01             |

|                        | DTA 20410; DTA 510*   | DTA 20410; DTA 510*  | DTA20/20E; DTA20420/20420E;<br>DTA520/520E*   |
|------------------------|---|--|---|
| Display principle      | LCD   | LCD  | LCD   |
| - Colour               | Black, backlit / black  | Black, backlit   | Black, backlit / black  |
| Engineering unit       | Selectable  | Selectable   | Selectable  |
| Number of digits       | Selectable  | Selectable   | Selectable  |
| Character height       | Weight display: 7 or 1 6 mm<br>Operator prompting: 3.5 or 8mm | Weight display: 7 or 16mm<br>Operator prompting: 3.5 or 8 mm | Weight display: 7 or 1 6 mm<br>Operator prompting: 3.5 or 8 mm  |
| Keyboard               | None  | Numeric, membrane  | None  |
| Protection type        | IP54  | IP54   | IP54 front  |
| Ambient temperature    | -10° C-+40° C   | -10° C-+40° C  | -10° C-+40° C/0° C-+40° C   |
| Legal-for-trade        | Yes   | Yes  | Yes   |
| Explosion-proof design | No  | No   | No /EExib IICT4 for ATEX Zone 1   |
| Housing                | Desk-top mounting   | Desk-top mounting  | Panel-mounting  |
| Data Interface         | RS422<br>RS485  | RS422<br>RS485   | RS422<br>RS485  |
| Connetion              | *   | *  | *   |
| Ext. supply voltage    | ---   | ---  | ---   |
| Max. cable length      | 1000m   | 1000m  | 1000m/100m,500@IIB  |
| Ordering No            | DTA 20410: D739140.01<br>DTA 510: D707322.04                  | DTA 20410: D739140.01<br>DTA 510: D707322.04                 | DTA 20 / 20E: D707437.04 / D707439.04<br>DTA 20410 / 20420E: D739142.01 / D739144.01<br>DTA 520 / 520E: D707324.04 / D707330.04 |

|                        | DTT 20 / DTT 20E                       | DT 20430 / 20430E; DTZ530 / 530E*  |
|------------------------|--|--|
| Display principle      | ---                                    | LCD  |
| - Colour               | ---                                    | Black, backlit / black   |
| Engineering unit       | ---                                    | Selectable   |
| Number of digits       | ---                                    | Selectable   |
| Character height       | ---                                    | Weight display: 7 or 1 6 mm<br>Operator prompting: 3.5 or 8 mm                       |
| Keyboard               | Numeric, membrane                      | Numeric, membrane  |
| Protection type        | IP54, front                            | IP65   |
| Ambient temperature    | -10° C bis +50° C /<br>0° C bis +40° C | -10° C ...+40° C/0° C ... +40° C   |
| Legal-for-trade        | Yes                                    | Yes  |
| Explosion-proof design | No / EEx ib IIC T4                     | No /EExib IICT4 for ATEX Zone 1  |
| Housing                | Panel-mounting                         | Wall-mounting  |
| Data Interface         | ---                                    | RS422<br>RS485   |
| Connetion              | DTA 20 / DTA 20E                       |  |
| Ext. supply voltage    | ---                                    | ---  |
| Max. cable length      | 5 m                                    | 1000 m / 100 m 500@IIB   |
| Bestell-Nr.            | D706936.01 /<br>D706937.01             | DT 20430 / 20430E: D739143.01 / D739145.01<br>DT 530 / 530E: D707326.04 / D707332.04 |

**\* Connection to the following DISOMATS:**

Typen DT(A) 204XX(E) to DISOMAT B plus

Typen DT(A) 5XX(E) to DISOMAT S

Typen DTA 20(E) to DISOMAT T

**Keep in Motion**