

## 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  $\alpha/n$ -characters, special weighing functions and user-programmable keys for process-specific functions.

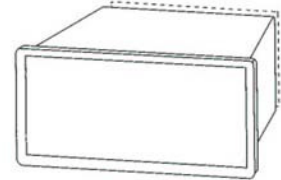
Depending on type, the following data are displayed:

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

## Unit dimensions



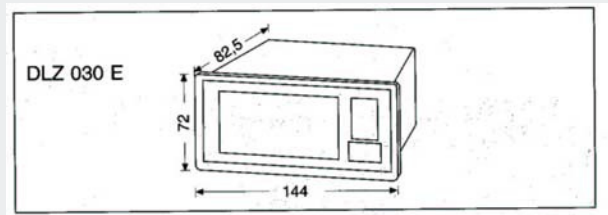
VLZ 20151  
VLZ 20250



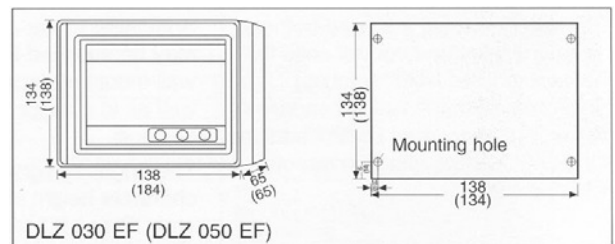
All dimensions in mm	B	H	T	Cut-out
VLZ 20151	96	48	115	92 x 45
VLZ 20250	144	72	72	138 x 68



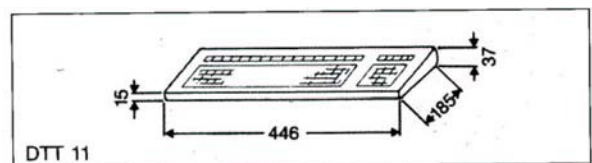
DLZ 030 E



DLZ 030 EF  
DLZ 050 EF



DTT 11

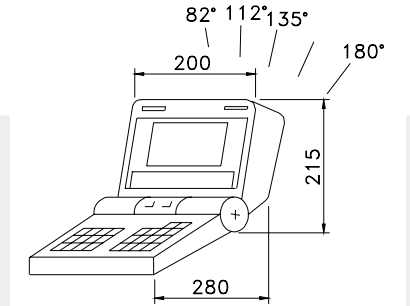
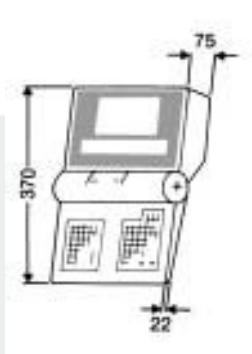


**Unit dimensions**

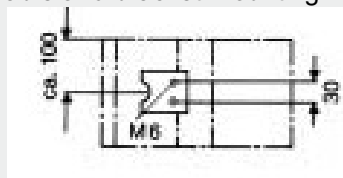
**DT x 10**



DT 20410 / DT 510



**Table and bracket-mounting**



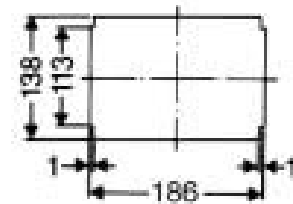
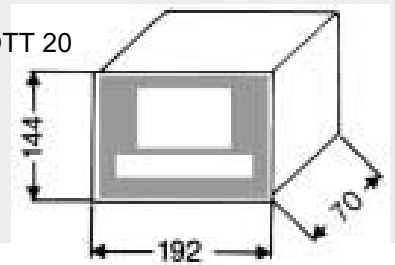
**DTA x 20 / DTT 20**



DTA 20 / DTA 20420 / DTA 520



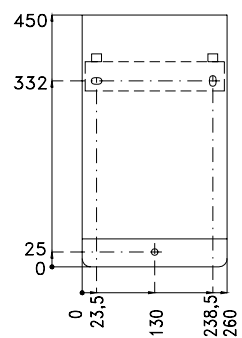
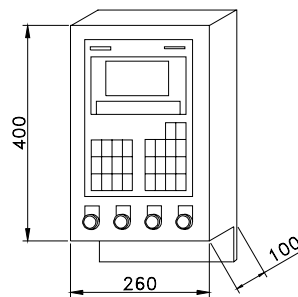
DTT 20



Cut-out as per DIN 43700



DT 20430 / DT 530



## Technical Data

	VLZ 20151	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	---
	TTY 20mA	TTY 20mA	4...20 mA	
Connction	all Disomats	all Disomats	DISOMAT Bplus, S, T	DTA 10, DTA 20
Ext. supply voltage	16-30VDC, 230VAC opt.	16-30VDC, 230VAC opt.	---	---
Max. cable length	100 m	100 m	750 m	2 m
Ordering No.	V036225.B01/B02	E054593.01	E909034.01 / E909034.02 / E909033.01	D706938.01

	DT 20410; DT 510*	DTA20/20E; DTA20420/20420E; DTA520/520E*
Display principle	LCD	LCD
- Colour	Black, backlit	Black, backlit / black
Engineering unit	Selectable	Selectable
Number of digits	Selectable	Selectable
Character height	Weight display: 7 or 16mm	Weight display: 7 or 1 6 mm
	Operator prompting: 3.5 or 8 mm	Operator prompting: 3.5 or 8 mm
Keyboard	Numeric, membrane	None
Protection type	IP54	IP54 front
Ambient temperature	-10°C-+40°C	-10°C-+40°C/0°C-+40°C
Legal-for-trade	Yes	Yes
Explosion-proof design	No	No /EExib IICT4 for ATEX Zone 1
Housing	Desk-top mounting	Panel-mounting
Data Interface	RS422	RS422
	RS485	RS485
Connction	*	*
Ext. supply voltage	---	---
Max. cable length	1000m	1000m/100m,500@IIB
Ordering No	DT 20410: D739141.01 DT 510: D707320.04	DTA 20 / 20E: D707437.04 / D707439.04 DTA 20410 / 20420E: D739142.01 / D739144.01 DTA 520 / 520E: D707324.04 / D707330.04

	DTT 20 / DTT 20E	DT 20430 / 20430E; DT530 / 530E*
Display principle	---	LCD
- Colour	---	Black, backlit / black
Engineering unit	---	Selectable
Number of digits	---	Selectable
Character height	---	Weight display: 7 or 1 6 mm
	---	Operator prompting: 3.5 or 8 mm
Keyboard	Numeric, membrane	Numeric, membrane
Protection type	IP54, front	IP65
Ambient temperature	-10° C bis +50° C / 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
		RS485
Connction	DTA 20 / DTA 20E	*
Ext. supply voltage	---	---
Max. cable length	5 m	1000 m / 100 m 500@IIB
Bestell-Nr.	D706936.01 / D706937.01	DT 20430 / 20430E: D739143.01 / D739145.01 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