

Digital weighing terminal **DWT 800**

Power inside!

Top-of-the-range terminal for superior standards.



Universal implementation : Weighing – dosing – control

- One or multi-range version with automatic switch-over (up to 3 measuring ranges possible)
- Commercially verifiable to precision class III
- CE-approved to EG guidelines
- Maximum convenience with extensive memory options
- Alphanumerical membrane keyboard: 56 large keys with pressure points
- Background-lit TFT graphic display (115 x 86 mm)
- Display colour may be changed: normal or inverted
- Analogue and digital load cells may be connected
- Up to 3 interface inserts available
- Rugged industrial version in superior design
- Housing :impact-resistant ABS plastic, CE-approved, EMV-tested, protection class IP 20, front IP 65

Mounting variants desktop or mounting in control cabinet

Desktop version

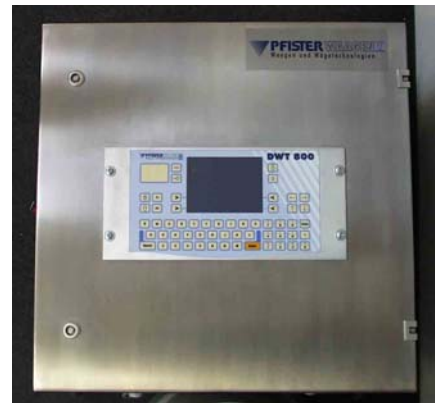
Dimensions (W x H x D) 310 x 166 x 272 mm
Weight 3 kg



Rack mounted version
(different design of the housing, without front incline)

Space required on mounting in control-cabinet (W x H x D) 376 x 177 x 309 mm
Weight 4 kg (incl. securing kit)

User languages German, English, French, Italian, Spanish, Portuguese (freely selectable)



DWT 800 versions

ANALOGUE for connection to a scale with analogue load cells (max. 12 load cells à 350 ohms or max. 24 load cells à 700 ohms with 6-conductor-system, for example CPR)

DUPLEX ANALOGUE for connection to a compound scale with up to two individual bridges per weighing terminal with analogue load cells (with sum calculation or weighing value per individual scale; any combination of individual bridges or total sum calculation of all bridges is hereby possible)

DIGITAL for connection of a scale with digital load cells, type CPD (max. 12 CPD load cells)

DUPLEX DIGITAL for connection to a compound scale with up to two individual bridges per weighing terminal with digital load cells, type CPD (max. 8 CPD load cells per input; with sum calculation or weighing value per individual scale; any combination of individual bridges or total sum calculation of all bridges is hereby possible)

DOSING with own software for basic loading functions (coarse/fine flow).
Ancillary module „Loading / dosing software“ (for recipe administration and follow-up material).

Data administration big data bank (standard version)

Weighing

- Gross / tare / net
- First and second weighing (also via second operator stand)
- Intermediate tare for double weighing (weighing value may always be retared for useful loads)
- Sum weighing
- Multi-tare
- Partial weighing function
- Additive weighing
- Subtractive weighing
- Dosing function
- Variable limit values

Options:

- additional text may be added to weighing slip (up to 3 headings and footnotes and customer logo resp.)
- additionally for one weighing process up to 7 user-defined fields (each with 22 places) may be added as required and printed out (not automatically saved)

Frachtdokument

19/12/2002 14:58:47
 Fortlaufend 6
 Lieferant..... L1
 Lieferant 01-4567890123456789012345
 Straße Lieferant-01-123456789012345
 12345 Ort Lieferant 01-9012345
 Lieferant-Ust-IdNr--
 Kunde..... K1
 Kunde 01-01234567890123456789012345
 Straße Kunde-01-7890123456789012345
 12345 Ort Kunde-01-56789012345
 Kunde-01-Ust-Id-Nr--
 Empfänger..... E1
 Empfänger 01-4567890123456789012345
 Straße Empfänger-01-123456789012345
 12345 Ort Empfänger-01-9012345
 Empfänger-01-UstIdNr
 Frachtführer..... F1
 Frachtführer 01-7890123456789012345
 Straße Frachtführer-01-456789012345
 12345 Ort Frachtführer-01-2345
 Frachtführer-UstidNr

19/12/2002 14:57:55
 DAC Code..... 5
 1.Gewicht 10840 kg

Warencode..... 1234567890
 Waren Beschreibung 1
 KFZ-Kennzeichen..... D-ZZ 12345
 Holztransporter ---
 DAC Code..... 5
 2.Gewicht 39660 kg
 Netto 28820 kg

Unterschrift Empfänger:
 Unterschrift Fahrer:

Example: Weighing slip for first and second weighing

Master data

Administration of two codes with assigned alphanumeric description possible:

Vehicle code	10 places code	20 places per data record
Product code (material)	10 places code	20 places per data record

and four codes with access to a commun address data bank, with retrieve to: supplier / customer / consignee / load operator

Address data bank	
10 places alpha-code	or 4 places numerical code
35 places per name	
35 places per address (street)	
30 places per postal code and city	
20 places per sales tax number	



and SDA-Code = retrieve of master data (combination of material / supplier / customer / consignee / load operator / vehicle code) for repeated weighing processes of a customer

The memory capacity (200 kB memory) may be freely assigned to the codes.

Material code (M.C.)	600 records, alphanumerical
M.C. sum memory	100 records
Vehicle code (V.C.)	600 records, alphanumerical
V.C. sum memory	100 records
Address code (A.C.)	600 records, alphanumerical
A.C. sum memory	100 records
SDA code (SDA)	600 records, alphanumerical
SDA sum memory	100 records



This is valid for full utilization of 20 characters per data record.

The memory capacity of the single codes may be adapted to customers requirement, for example. 1000 records per material code + 100 records per vehicle code.

Other functions

Zeroing	manual automatic per PC interface RS 232 via external input
Self-check	built-in auto-diagnosis
Special function	4 individually programmable soft keys
Printing	freely configurable printing formats, several print forms may be freely defined and saved
Printer	one printer may be connected

Optionally available: Small data bank for use of ENQ-recording or for connection of a second printer

Technical data DWT 800

Operating temperature	-10°C to +40°C
Storage temperature	-20°C to +70°C
Relative humidity	max. 85%, non-condensing
Date / time of day	integrated, battery-buffered clock module
EMC	protected against electromagnetic fields up to 10 V/m
Mains connection	85 – 265 V AC, 50/60 Hz, 40W
Transmission speed	programmable, up to 115.200 baud (serial interface)
Resolution	verifiable to 10.000 d; non-verifiable up to 60.000 d
Measuring frequency	maximum 100 measuring cycles / sec.
Max. input voltage	23mV (load cells)
Supply	10 V DC, min. 29 ohms (analogue load cells)

Interface data:

1 serial interface	EIA RS 232
2 serial interfaces	configurable,
	EIA RS 232/422/485
2 inputs / 2 outputs	opto-decoupled,
	max. 110 V, 200 mA
	(e.g. for traffic lights
	or barrier control)



Expansion options

Verifiable MPP hardware data memory, replaces alibi printer (permanent saving of weight values according to applicable Weights and Measures regulations). Memory capacity: 130,000 weighings (weighing value + tare). When the memory capacity is exhausted the oldest data are overwritten by the new data.

3 free slots (with plug and play recognition), optionally:

- 2-fold serial interface EIA RS 232 or 422 / 485
- input/output card (4 inputs / 4 outputs; max. 110V, 200mA)
- input/output card (4 inputs/ 12 outputs; max. 24V, 100mA)

Additional card for 12 V voltage supply (for use in vehicles)

On the master-DWT 800 up to 32 slaves may be connected. As such a second or third operator workplace with a database is possible. Networking is performed via interface RS 485.

Rack version (for mounting in control cabinet)

Connection to standard PC keyboard (PS/2);
Thus convenient operation directly via
keyboard possible.

Other extras for automation

Connection to traffic guiding systems such as
traffic lights and barrier control

Combination with remote displays, card readers, transponder systems, self-service terminals, intercom systems, radio data transmission, video monitoring systems etc.

Intelligent software packages for weighing data management



- Technical data subject to modification without notice -