Formula weighing with eXtra Performance.

The new version of the successful ID7-Form^{2000} formula-weighing software comes with optimized functions and substantially higher performance. Precise mixing of stored formulae is made easy and secure by interconnected databases.

Form XP

A
Formula

B
Components

C
Job no.

D
Ident D

METTLE T LE

So your mixtures are always right first time.

**ID7-FormXP makes your work more efficient.
Formulas can be managed and used quickly, simply,
and securely!**

■	Rugged, waterproof housing, protected to IP68/IPX 9K
■	BIG WEIGHT® display – for certain reading even from a great distance
■	Smooth, waterproof keypad overlay – durable and easy to clean
■	3 different scales connectable – for maximum formula-weighing accuracy
■	Codes A…D for clear identification of formula-weighing data
■	Interfaces allow easy connection of external systems

**ID7-FormXP – the easy way to tailored
weighing solutions**
No matter whether you work in a harsh industrial
environment or a laboratory, Form XP formula-
weighing software always has the right solution
for your specific application.
This is because it can be connected to a wide
assortment of METTLER-TOLEDO scales with
different resolutions and weighing ranges.

ID7-FormXP for successful formula weighing in the
chemical, pharmaceutical, and **food industries.**

Safety at work
An incorrectly mixed formula can have unpleas-
ant consequences – for the consumer as well as
the manufacturer! If components are recorded
with a barcode reader you can be sure that the
correct ingredients go into the mixture. You can
even specify which component must be weighed
in what sequence to ensure everything is done
according to plan.

Information at a glance
FormXP prints reports with custom-
er-specific data – providing the
manufacturer with seamless docu-
mentation of what formula was
weighed when, where, and how.

```
DATE                    07.06.02
TIME                    12.47.56
FORMULA NO.                    1
FORMULA ID.                   52
LOT NUMBER                    A1
FORMULA NAME          Cream Cake
COMPOUND COUNT                 5
TARGET                  1.400 kg
TOLERANCE               0.070 kg
PRE MESSAGE                    1
PRE MESSAGE                    3
PRE MESSAGE                    5
POST MESSAGE                   6
POST MESSAGE                   8
RESCALING                      0
-------------------------------
-------------------------------
COMPOUND            Baking powder
CHARGE NUMBER      DS114/10.05.02
RAW MAT. ID.                  713

1. DISPENSED WT         0.205 kg
-------------------------------
COMPOUND            Baking powder
CHARGE NUMBER      DS114/10.05.02
RAW MAT. ID.                  713

2. DISPENSED WT         0.200 kg
-------------------------------
COMPOUND                   Flour
CHARGE NUMBER      DS247/12.05.02
RAW MAT. ID.                   14

1. DISPENSED WT         0.501 kg
-------------------------------
COMPOUND                   Flour
CHARGE NUMBER      DS248/12.05.02
RAW MAT. ID.                   14

2. DISPENSED WT         0.510 kg

-------------------------------
BATCH ID                     840
BATCH NET               1.435 kg
GROSS                   1.535 kg
TARE                    0.100 kg

BATCH ID                     841
BATCH NET               1.410 kg
GROSS                   1.510 kg
TARE                    0.100 kg

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```

Formula weighing with stored formulas

No matter whether you are weighing a formula into a single container, or individual components into separate containers, or mixing a number of batches – the FormXP software already knows the characteristics of the specific application and industry.

1 **2** **3**

3
2
1
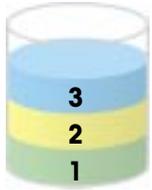
Vertical formula weighing
Weighing all components into a single container

1 **2** **3**

1 **2** **3**

1 **2** **3**
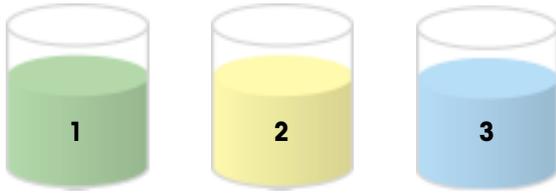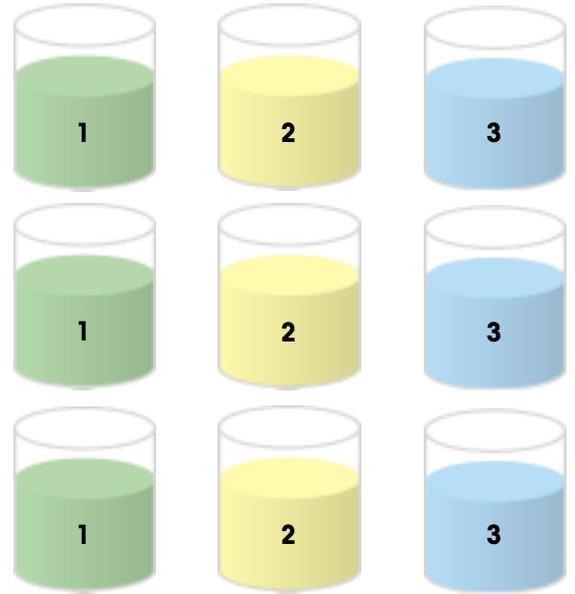
Horizontal formula weighing
Weighing each component into a separate container

Batch formula weighing
Multiple weighings of separate components into individual containers

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Select raw material
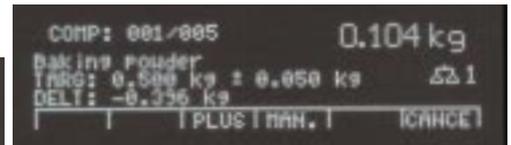
Trouble-free interconnection of processes

From recording raw materials to processing formulas – FormXP guides the user easily and clearly. Thanks to numerous interconnected databases, the display can also show information such as work instructions, quantities, and tolerances while the formula is being weighed.
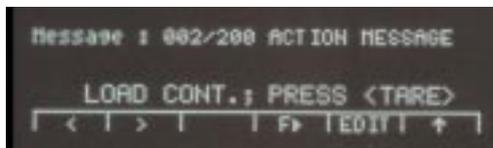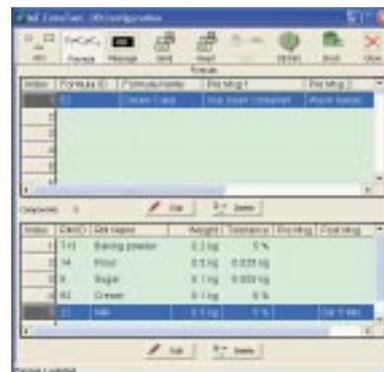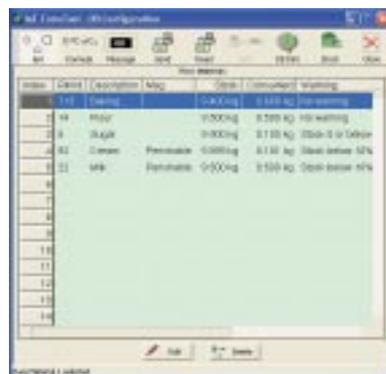

Messages
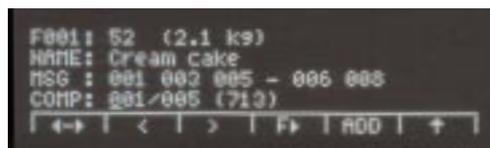
Select formula type

Process formula

Makes managing your data easy, too

FormXP includes FormtoolXP, special PC software which enables you to edit message, component, and formula data. A mouseclick on your PC gives you direct access to the ID7 or through it to an Ethernet system.

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Operating modes of the ID7-FormXP application software

Stored formula mode

Formula weighing	Vertical, horizontal, or batch
Formula memory	• Up to 150 formulas • 30-character formula name • Uniquely identifiable by 20-digit formula number • Up to 100 components per formula • 5 embedded messages per formula • Inputs for target weight, tolerances, and max. 2 messages for components
Raw materials memory	• Memory for up to 500 raw materials • 30-character raw material name • Uniquely identifiable by 20-digit raw material number • Inputs for raw material inventory data and instructions for inventory management
Messages	200 display messages (e.g. user instructions) freely assignable to formulas or components Message length 24 characters/digits
Variable target value	Variable batch quantity for each formula
Target value correction	If one component is overfilled, the remaining components are correspondingly corrected
DeltaTrac	Tolerance control with graphical display
Lot and batch number	Can be input for precise identification of lot (job) and batch (raw materials)
Bar code	Selectable barcode input for components
Password and user identification	Password and user identification prevent unauthorized access

Formula weighing

Formula weighing	For dispensing several components into a single container. Each formula and each component can be given an identification.
Total memory	Up to 8 digits
Manual input memory	Up to 6 digits
Component counter	Up to 9999
Container counter	Up to 9999
Minimum component weight	10 d
Tolerance control	With DeltaTrac analog weighing-in aid

Pharmaceutical formula weighing

Formula weighing	Each component of a formula can be filled into a separate container
Total memory	Up to 8 digits
Manual-input memory	Up to 6 digits
Component counter	Up to 9999
Container counter	Up to 9999
Minimum component weight	10 d
Tolerance control	With DeltaTrac analog weighing-in aid

Totalization

Totalization	Each component of a formula can be filled into a separate container. Each formula and each component can be given an identification.
Total memory	7-digit weight values
Manual-input memory	Up to 6 digits
Item counter	Up to 9999, freely selectable initial and final values
Container counter	Up to 9999
Minimum item weight	10 d
Minimum acceptable weight	30 d

General functions

Information function	Simple recall of total, item counter, component counter, container counter, identification data A…D, and last manual input
Control signals	Via 4 I/O-ID7 interface and 4 ID7 relay box or RS485-ID7 and 8-ID7 relay box (accessory): • Output signals: DeltaTrac status (too little/good/to much), scale stability • Input signals: on/off, zero, tare, enter keys • 4 separate, freely-definable switching points