

# **PROGRAM DESCRIPTION**

## **TAD 3**

**Program: T117A222**



This description is valid for:

Weight indicator **TAD 3** with application program **T117A222**

See also the following descriptions

**Weight indicator TAD 3, Technical Manual**

**Weight indicator TAD 3, Operating instructions, Quick installation**

If these descriptions in any case are contradictory, this description is valid.

## Option codes

This program requires program option code(s) for

01: Batching (if used)

07: Option 7

## Function

This special program allows simultaneous display of weight (kg) and volume (l). When weight is displayed in big characters, the volume is displayed in smaller characters on the line below, and vice versa.

The switching between display mode is done with function button 'F1' or temporary activation of digital input 1 (if configured).

The volume value is calculated as weight divided with a conversion factor (density) that has a range of 0.7 to 1.3

The conversion factor is entered in the set-up parameter 'Density' under menu 'Special'. Direct access of this parameter is done by pressing the function key 'Densit'.

If option 'Batching' is used, setpoints must be entered as weight values (kg). Displaying weight or volume is possible, but only one value can be displayed at a time.

If an analog output (ANA3) is used, and the parameter 'Output source' is set to 'Special', The displayed value weight or volume is sent to the analog output.

## Function keys

Function key 'F1' (key '1') is used to switch between weight and volume displayed as big characters in runtime (also during batching).

Function key 'Densit.' Is used for direct access for displaying/editing the conversion factor between weight and volume.

## Set-up parameters

### Changed parameters

#### Menu 'Generell'

##### Display info

**Modbus: 41004 (46004)**

[5] Special  
<Special>

New choice

**Special:** In runtime, weight or volume is displayed on the information line below the normal value

#### Menu 'Inputs'

##### Input 01 use.

**Modbus: 41210 (46210)**

[17] Special 1

New choice.

**Special 1:** Input 01 is used to switch between weight and volume in normal mode and during batching.

#### Menu 'Analog outputs'

##### 1:Output source

**Modbus: 41282 (46282)**

[5] Special

New choice.

**Special:** Analog output 1 represents displayed value, weight or volume

##### 2:Output source

**Modbus: 41296 (46296)**

[5] Special

New choice.

**Special:** Analog output 2 represents displayed value, weight or volume

#### New parameter

##### Menu 'Special'

##### Densitet

**Modbus: 41338 (46338)**

Range:  
0.700 – 1.300  
<1.000>

Conversion factor between weight and volume

Volume is calculated as weight divided by this factor.



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