

AGRIBUSINESS TERMINAL

Product Number 3031

Digital Indicator



- > Application program for fodder mixing
- > System to be able to communicate with MS-Excel
- > Bluetooth™ wireless interface
- > PDA/PC data transfer
- > DC power supply 12V, 24V or 48V
- > (Fodder) efficiency display
- > Indicator with dot matrix display 240 x 128 pixels
- > Settable backlighting
- > User-friendly input structure via function keys
- > Optional approvable EU Class III - approved resolution to 10,000e

Characteristics

The Agribusiness Terminal 3031 is the thought-through solution for applications in the agricultural business for fodder mix preparation, silo storage as well as all dosing, reciping, check and control operations.

The precise and fast measuring technology with a novel filter technology allows for all weighing demands in a rough and hard environment in the agricultural business.

Housing

- > Plastic housing made of impact resistant polycarbonate
- > Dimensions L 300 x W 228 x H 90 mm
- > Protection class IP 67 to withstand rough outdoor environmental conditions
- > Pressure equalisation by gas-permeable membrane
- > Protective frame and/or swivel bracket optional

Connection options

- > Plug-in sockets to connect up to 4 strain gauge load cells (extension optional)
- > Plug-in socket for power supply
- > Plug-in socket for switching signals optional

Interface

- > Bluetooth™ wireless interface
- > RS232 (optional)
- > Canbus (optional)
- > Further interface types on request

Data memories

- > Internal memory for 10 recipes and 50 processes

Protection housing [optional]

Version 1

- > Swivel bracket 40 mm distance to swivel pipe (middle)
- > Pipe diameter max. 17 mm

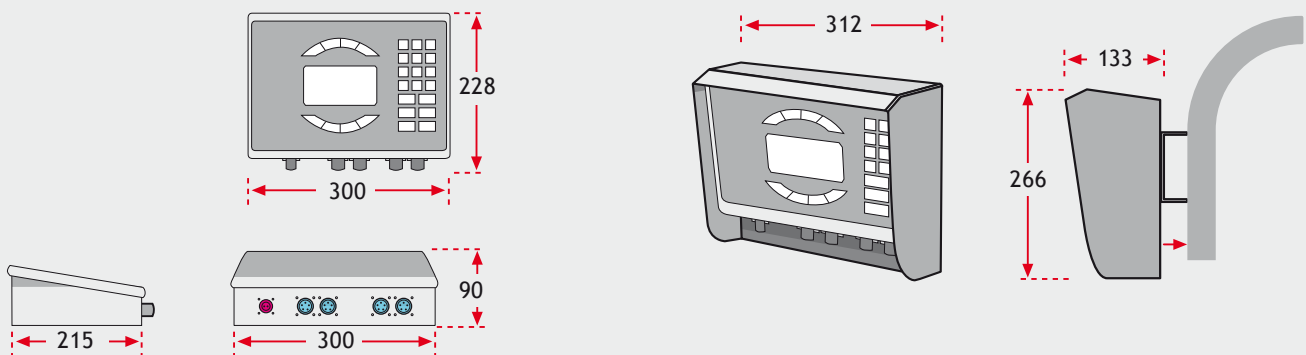


Version 2

- > Trapeze holder 13 mm height



Dimensions (mm)



Attachement to swivel arm

Operation, keypad and display

Accessories [optional]

There is a wide range of accessories for the Agribusiness Terminal 3031 such as:

- > Relay box, control light, horn
- > AC power supply
- > Data / alibi memory
- > Protective housing with swivel or trapeze holder
- > Special version for Ex zones 2 and 22

Indicator

- > Dot matrix display (240 x 128 pixels), backlit and contrast settable
- > The display indicates various situation-dependent views, divides into separate display panes such as additional indicator, symbol bar, information pane, display pane and function bar

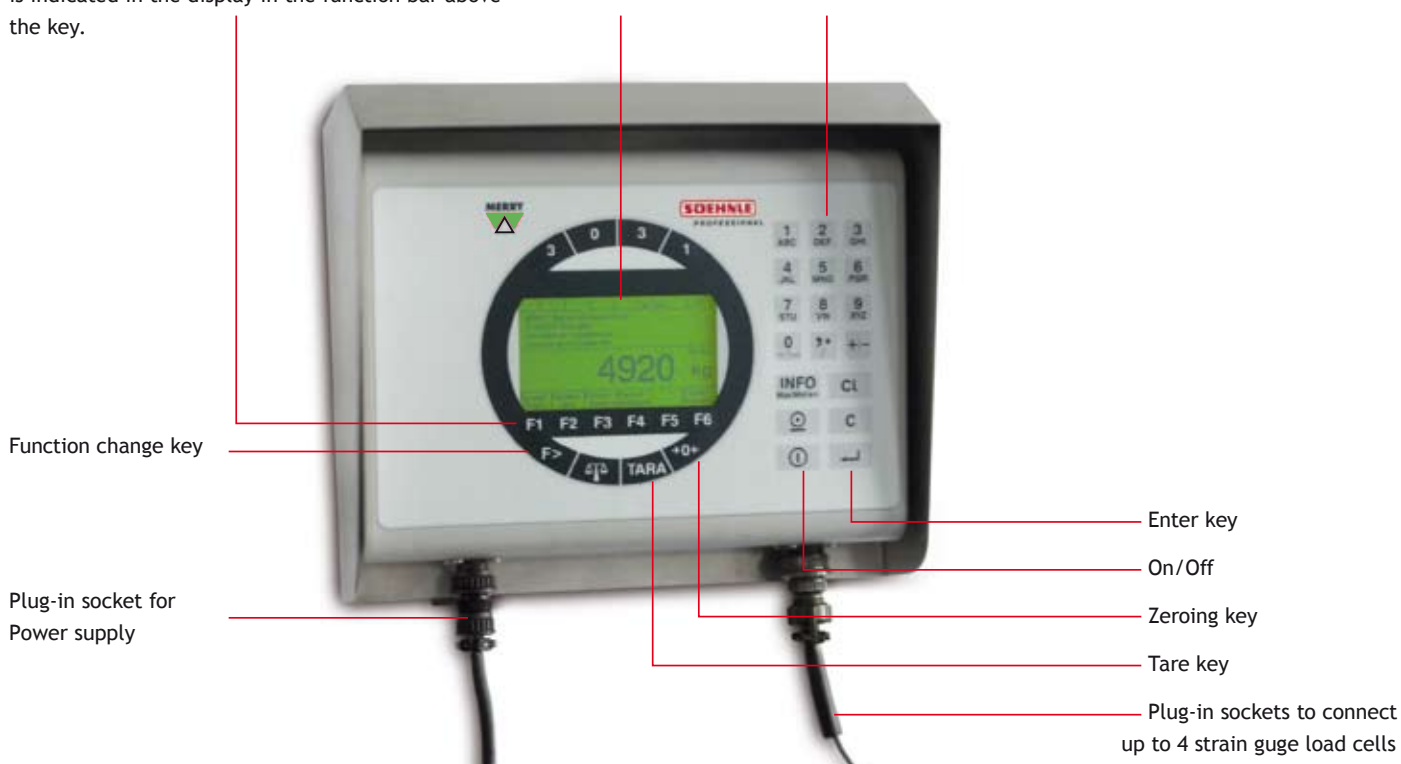
Keypad

- > Membrane keyboard with large keys and sensible pressure point
- > The easy-to-clean membrane keyboard with smooth surface meets all ergonomic, hygienic and long-life requirements
- > Total of 32 keys, of which 6 function keys, 4 keys for organisation data, alphanumeric keys to enter text using numeric keys
- > Application-specific functions directly via function keys
- > Keylock to lock single keys irrelevant of a particular function

Function keys adapt different functions depending on the program and the situation. The respective function is indicated in the display in the function bar above the key.

Indicator display with dot matrix

Numerical key for input of number values, multiple programming of numeric keys to enter alphabetic characters



Technical data



Housing

- > Plastic housing made of polycarbonate
- > Dimensions L 300 x W 228 x H 90 mm
- > Protection Class IP 67

Keypad

- > Membrane keyboard with 32 large keys for reliable operation
- > Text input using multifunctional keys

Indicator

- > Dot matrix display with 240 x 128 pixels
- > Settable backlighting and contrast

Inputs / outputs

- > Up to 8 outputs and 2 inputs, freely assignable (optional)

Interfaces

- > Bluetooth™ wireless interface

Electronic connection

- > DC power supply 12V (optional 24V or 48V)
- > Load cell power supply either 5 VDC or 5 VAC at 33 Hz
- > Min. input signal 0.25 $\mu\text{V}/\text{e}$
- > Characteristic calibration for simple and fast connection of load cells, directly to be done via operator

Weighing electronics

- > 4- or 6-wire technology
- > Internal divisions 10,000,000 d
- > Measuring value rate 67/s sensitivity
- > 0.25 $\mu\text{V}/\text{e}$ environmental conditions

Environmental conditions

- > Temperature range: -15° C bis +50° C

Memory

- > Internal failsafe memory for min. 10 recipes and 50 processes, more memory space available on PDA according to memory capacity

Date and time memory

- > Battery backed real-time clock

Application software for Microsoft or Windows Mobile 6.0

- > Data exchange with PDA
- > Data transfer of recipes and unload data to PC using PDA via an MS-Excel spreadsheet
- > Remote control function and additional indicator function

Reference data (optional)

- > Approvable EU Class III
- > For single-range scales: $n < 10,000 \text{ e}$
- > For multirange and multidivision scales:
 $n = 2 \times 6000 \text{ e}$ or $3 \times 3000 \text{ e}$
- > Load cell impedance range: 40 to -1,200 Ω

Application programs

The Soehnle Professional Agribusiness Terminal 3031 with its programs is the modern solution for various weighing operations in agribusiness applications. Operation is simple by user-friendly function keys, a plaintext display and process structure.

The data content for the program in the Agribusiness Terminal 3031 can be transferred, edited, and saved into an MS-Excel spreadsheet with a PDA equipped with Windows Mobile 6.0. The Agribusiness Terminal 3031 communicates with the PDA via a Bluetooth™ interface.

The operation of the Agribusiness Terminal 3031 via the PDA significantly simplifies the working process.

Loading program (Recipes)

- > Up to 10 variable recipe memory places
- > Multiple processing of recipes for fodder mixtures
- > Automatic component switchover via variable timer function
- > Dosing indicator in bar graph metering display or large format numerical digits
- > Component check
- > Output signals: optional, e.g. for valve control
- > Fodder value calculation for dairy farmers
- > Dry cow management function
- > Process log with date/time
- > Memory for 50 processes in the Agribusiness Terminal, more than 1,000 processes on the PDA

Unload program

- > Unload function
- > Residual quantity display
- > Process log with date/time

Weighing and taring

- > Weighing and taring
- > Manual tare input
- > Multiplicative tare
- > Provisional tare
- > Automatic tare
- > Tare fixed value memory

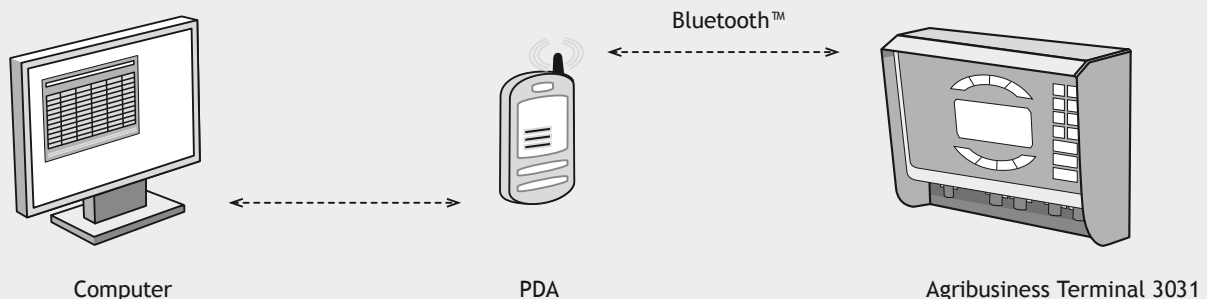
Silo weighing

- > Unload weighing
- > Output signals with start function (Hold)

Other functions and programs on request, for example:

- > for liquid manure vehicles
- > for biogas plants
- > all applications in which the use of a second mobile indicator (PDA) is useful or necessary

Data transfer



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