

V/110e

**BIZERBA | INDUSTRIAL**

WEIGHING TERMINAL ST



** STANDARD TERMINAL IN STAINLESS STEEL HOUSING WITH A HIGH PROTECTION RATING.



→ BIZERBA PROVIDES WEIGHTY ANSWERS.

→ ST TERMINAL FOR COMBINATION WITH
DIFFERENT LOAD RECEPTORS





HARD-WEARING AND ATTRACTIVE

PLUS HIGH PROTECTION RATING?

→ Efficient in every conceivable field

ST terminals are designed for maximum versatility, whether in the food industry, mechanical engineering applications, metallurgy, the chemical and pharmaceutical industries, the plastics industry or in the transport/logistic business.

→ Top equipment features as standard at

Bizerba

ST terminals offer the dual appeal of state-of-the-art technology and attractive design: complete and ready to use in a stainless steel housing designed for optimum ease of maintenance. The high protection rating IP 68 makes these terminals ideal for use under even the most adverse ambient conditions. Irrespective of its location, the ST terminal is resistant to the effects of corrosion, dust and water. The particularly easy-clean and hardwearing stainless steel housing permits ST terminals to be used primarily also in sensitive areas. The LCD liquid crystal display is back lit and offers particularly good legibility due to facility for individual reading angle adjustment by swivelling the housing.

Bizerba ST terminals: Performance spectrum

→ WEIGHING AND REGISTRATION

→ COUNTING

→ DOSING AND FORMULATION

→ CONTROL

→ ORDER PICKING

→ DISPATCH

→ TERMINAL MODE/EDP

→ ST PREPARED FOR SWITCH
CABINET MOUNTING



**** A MATTER OF COURSE WITH BIZERBA ST TERMINALS**

→ ST WITH COLUMN STAND



The clearly arranged foil keypad offers outstanding operating ease and reliability due to the use of mechanical action point. Freely assignable and configurable function keys permit direct accessing of definable weighing functions. The stainless steel housing is suitable for table-top mounting and wall mounting, but can also be used in combination with a universal column stand.

The ST terminals permit connection of up to three load receptors. They can be connected to precision scales, a PLC control unit, PC, printer or reading unit by means of serial and parallel interfaces.

→ Equipped for the future

In order to facilitate servicing and data protection, the new ST is fitted with a serial interface with infrared adapter. By connecting up a laptop, fast, convenient data exchange is possible without even opening the unit - cutting servicing times to a minimum. The use of future weighing technologies with digital load cells makes ST a reliable long-term investment.

→ The explosion-proof ST

Alongside the standard versions, the ST is also available with different explosion-proof ratings: For explosion zones 1 and 21 and well as 2 and 22.

→ "COUNTING" SOFTWARE PROGRAM





WHICHEVER WAY YOU WANT IT: SIMPLE, UNIVERSAL OR HIGHLY INTELLIGENT?

→ The intelligent interface

Standard terminals ST offer solutions for a wide range of different weighing tasks covering the entire logistics spectrum from incoming goods through to dispatch. Whether simple weighing functions or complex processing of operational data, whether primarily value readings or data input – the new Bizerba ST terminals form the nerve centre of any weighing system: They are the interface between load receptor, PC and connected peripherals, also bidirectionally, and at the same time function as an intelligent system evaluator terminal.

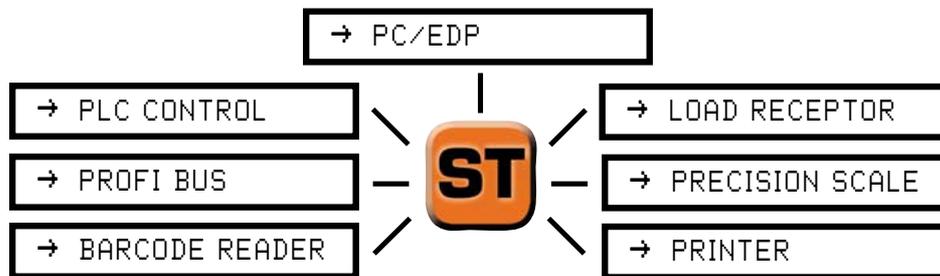
→ Wide-ranging of application spectrum

With their comprehensive functional features and customer-specific software licensing, for example for weighing, counting, dosing, con-

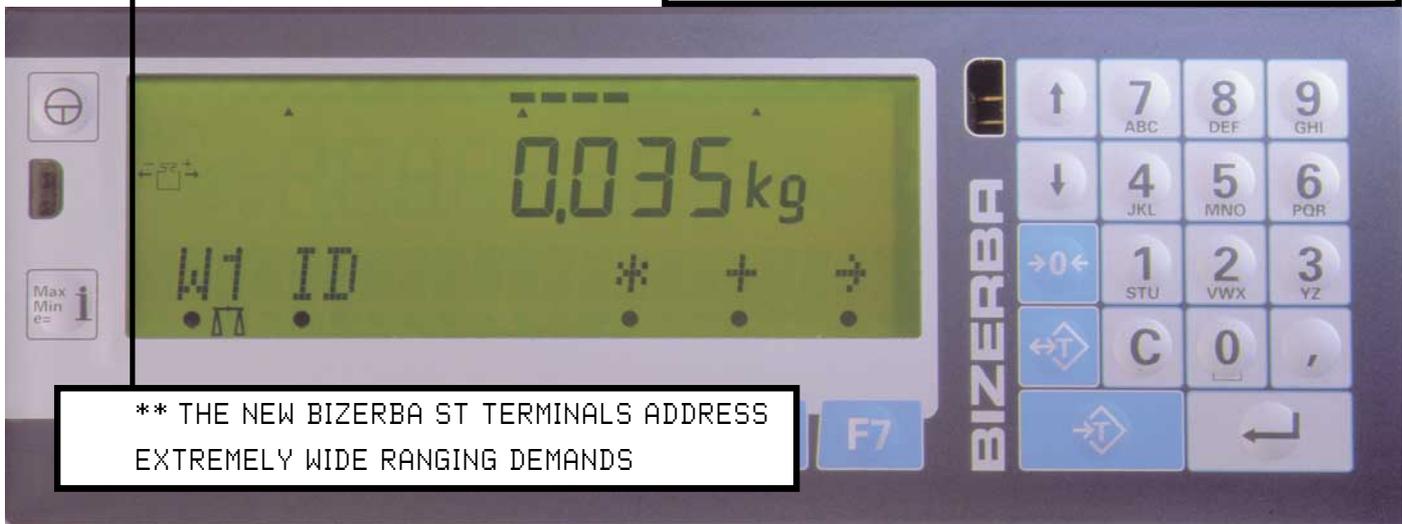
trol and tolerance monitoring, ST terminals from Bizerba offer scope for individual, low-cost solutions. But even the standard ST hardware and software equipment permits a wide range of daily applications to be professionally performed.

→ Scope for versatile possibilities

The ST terminal can be deployed as a station for the acquisition of operational data and as a highly efficient instrument for process rationalization: Quality assurance. Creating economical loading and storage units. Determining piece numbers. Order picking parts of equal weight. Optimization of material and energy deployment. Compilation of material input-output statements



→ "TOLERANCE MONITORING" SOFTWARE PROGRAM





ST STANDARD EQUIPMENT

- **Housing:** Complete housing produced in stainless steel 1.4301
Dimensions: 382 x 262 x 152 mm (W x H x D)

- **Protection class to DIN/VDE 0470:** IP 68

- **Display:** Backlit LCD display made up of display fields for weight values, character height appr. 18 mm with status and scale-specific/verification-related data; 21-digit display line, e.g. for operator prompting or as a sign and function display; 5x7 dot matrix, character height appr. 12 mm.

- **Keypad:** 27 inscribed foil keys with mechanical action point and acoustic input acknowledgement, 7 configured as freely assignable function keys.

- **ADC:** Plug-on ADC module on the display / CPU board for connection of a load receptor with DMS load cells. Impedance (min.) 56 Ω

- **Auxiliary power sources:** Standard: 120/230 V, AC via mains cable with PE plug.
Option: Battery operation with electronic exhaustive discharge protection or 24 V, AC/DC mains operation.

EPROM with a storage capacity of 4 MB¹⁾ or BMB. For control purposes, the stored data can be indicated in the display or read out via a serial interface.

- **Infrared interface:** Asynchronous serial interface for data back-up and servicing using an infrared adapter via a connected laptop

- **Static I/O:** 8 inputs and 8 outputs for control functions in the scale environment

- **Analogue I/O:** Analogue output 0/4-20 mA
Analogue input 0/4-20 mA

- **Serial interface:** 2 asynchronous serial interfaces V24/RS 232 C without control and signal lines (plugged onto the display/CPU board) or optionally RS 422/RS 485, TTY

ST OPTIONAL EQUIPMENT

- **Additional ADCs:** Second and third ADC for connection of an additional load receptor with DMS weighing cell(s), selection using function key

- **Data memory with verification capability (ES):** Supplementary circuit board with own microprocessor integrated into the system evaluator housing. Weighing results are stored in a flash

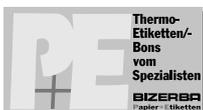
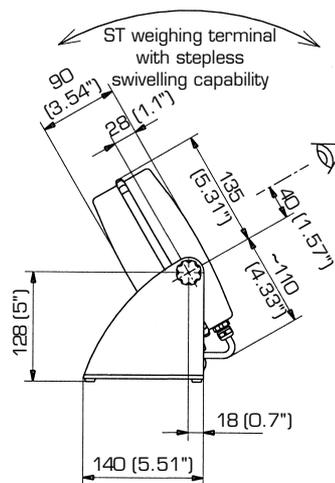
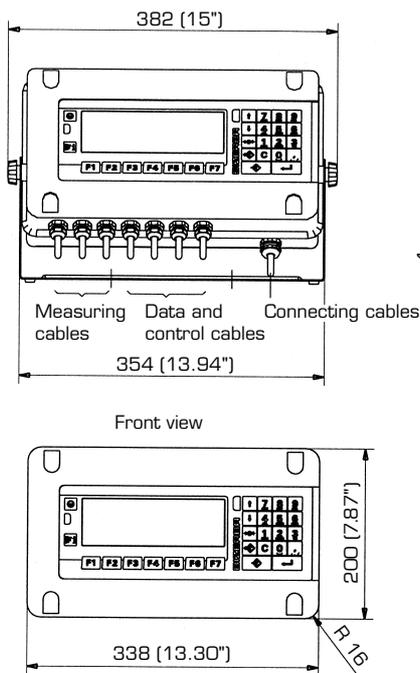
- **Dimensions in mm (inches):**

ST OPTIONAL FUNCTIONS / SOFTWARE

- **Software modules:** Counting, plus/minus tolerance monitoring (by weight), plus/minus tolerance monitoring (by %), plus/minus tolerance monitoring (by piece numbers), one-component dosing (filling), one-component dosing (filling), one-component dosing with filling column control, one-component dosing for "Big Bag" filling, dynamic through-feed weighing

- **Software modules connection to external devices:** EDP link (dialog), registration/printer, Profibus FDL protocol level 2, Profibus DP max. 12 Mbit, Modbus, scanner/reading wand, control package PIO 8 IN / 8 OUT, SIEMENS connection procedure 3964R, KonfigTool (PC software)

¹⁾ 1MB = appr. 100,000 weighing processes



→ BIZERBA PROVIDES WEIGHTY ANSWERS.