MODBUS RTU MODBUS/TCP **DeviceNet** **EtherNet/IP** **PROFIBUS** **PROFINET** **CANopen** **ETHERNET TCP/IP** **EtherCAT**

WEIGHT INDICATOR MCT1302

Pavone Sistemi
pesatura elettronica industriale

MCT 1302
WEIGHT INDICATOR

Pavone Sistemi is one of the pioneers of industrial weighing, operating in the market of weighing and batching since 1963, with customized products for many different industries.

Thanks to a thorough study of needs and requirements of the market and the support of an internal research and development laboratory Pavone

Sistemi is able to achieve reliable measurement products, with a value/price advantage, certified and comply with industry standards.

All our products can interface with PC and PLC of the most important international brands - Siemens, Omron, Schneider, Bosch Rexroth, Panasonic,Rockwell Automation, Allen-Bradley, B&R Automation,

Beckhoff, Mitsubishi - by most common fieldbus on market - Profibus, Profinet, Ethernet IP, Ethercat, Devicenet, Canopen -. For any need related to weighing, batching, measurement Pavone Sistemi has an optimal solution.

In product development we have a bottom-up approach. Thanks to our everyday activities on the field we collect the real needs of the market and we transfer these needs in the product we develop and manufacture.

Our products are easy to use, options offered are usefull in the everyday activities and thanks to our expertise, knowledge and experience we make your work easier.

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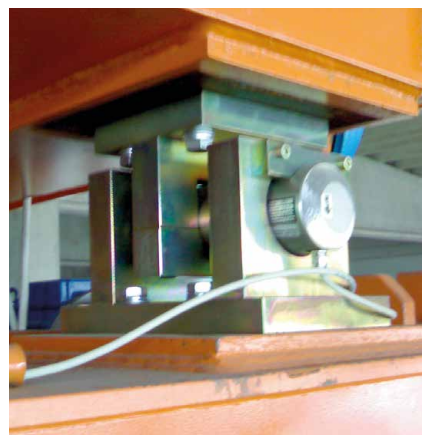
Hereafter you will find the mainstream load cells & the mounting kit designed and manufactured in Italy we offer to our best clients for their industrial weighing needs.

OUR OFFER: **LOAD CELLS + MOUNTING KITS + ELECTRONICS**

SHEAR BEAM

65023

SBR

DOUBLE ENDED

DDR

ELECTRONICS

MC 355

UWT 6008

MCT1302

MCT 1302

MOUNTING KIT

MKX

MH

MOUNTING KIT

DE

FOR CUSTOM LOAD CELLS & OTHER TYPES OF LOAD CELLS, VISIT OUR WEBSITE AND CALL US.

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OUR OFFER: **LOAD CELLS + MOUNTING KITS + ELECTRONICS**

SHEAR BEAM

PS24

CC3

DOUBLE ENDED

BBR

ELECTRONICS

MC 355

UWT 6008

MCT1302

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MOUNTING KIT

MOUNTING KIT

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MH

FOR CUSTOM LOAD CELLS & OTHER TYPES OF LOAD CELLS, VISIT OUR WEBSITE AND CALL US.

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IT CAN BE CONSIDERED ONE OF THE WORLDWIDE BEST SELLER WEIGHT TRANSMITTERS, 100% MADE IN ITALY.

ACCORDING TO THE TYPE OF SOFTWARE UPLOADED MCT 1302 CAN BE GOOD FOR:

1] STATIC WEIGHING
2] BATCHING
3] STATIC WEIGHING A+B (double channel instrument)
... SOON BELT WEIGHING

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Hereafter the main strengths and characteristics:

FREQUENCY ACQUISITION ADC SIGNAL UP TO 1000 HZ

DISPLAY RESOLUTION 999.999 DIVISIONS

UPLOAD/DOWNLOAD WITH OPTIMATION® SOFTWARE OR UBS SERVICE OR NFC

FIELDBUS AVAILABLE: PROFINET, ETHERNET, ETHERNET IP, DEVICENET, ETHERCAT

SUITABLE FOR BATCHING SOLUTION

THEORETICAL OR DEADLOAD CALIBRATION

SUITABLE FOR EVERY TYPE OF INDUSTRY

IDEAL TO BE USED FOR WEB TENSION SYSTEMS

ANALOGUE & FIELDBUS: BOTH OPTIONS AVAILABLE AT THE SAME TIME

DEVELOPED FOR STATIC WEIGHING AND BATCHING

CUSTOMIZABLE INTERFACE

6 INPUTS AND 6 OPTO OUTPUTS

INTERNAL MEMORY EXPANDABLE UP TO 1024 KBYTES

PULL-OUT TERMINAL BLOCKS FOR EASY CONNECTION

INTERNAL DATA LOGGER FUNCTION ON INTEGRATED MEMORY AND ON EXTERNAL PC FOR MONITORING THE CHANGE OF DISPLAYED WEIGHT

DOUBLE PORT DEDICATED TO THE FIELDBUS TO ALLOW AN EASY CONNECTION OF MULTIPLE TOOLS WITHOUT THE USE OF A HUB
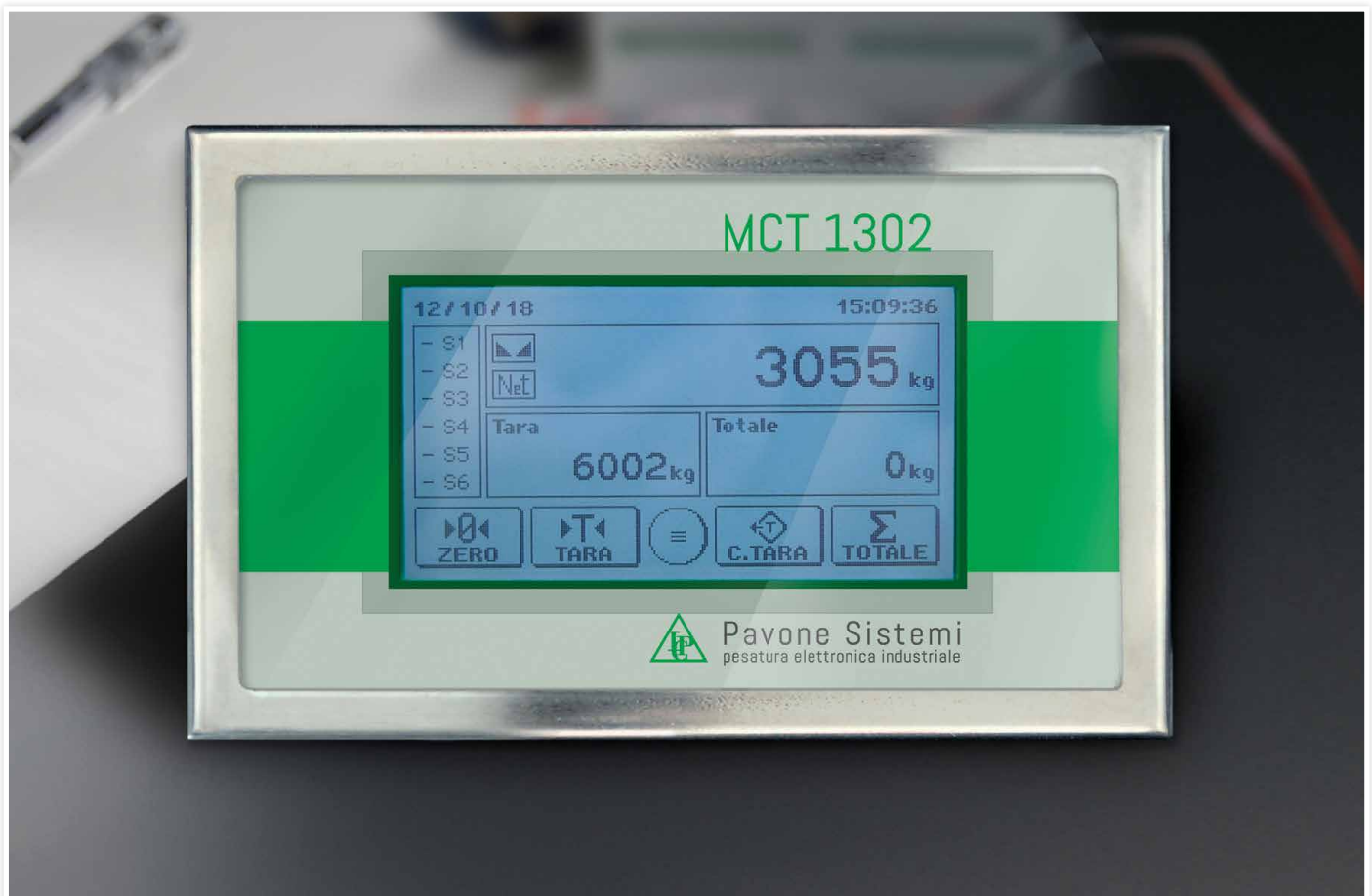
PANEL MOUNT VERSION

INFO (& TEST) FUNCTION: FOR HAVING ALL THE INFO ALWAYS AVAILABLE

1] STATIC WEIGHING

ELECTRONICS
MCT 1302
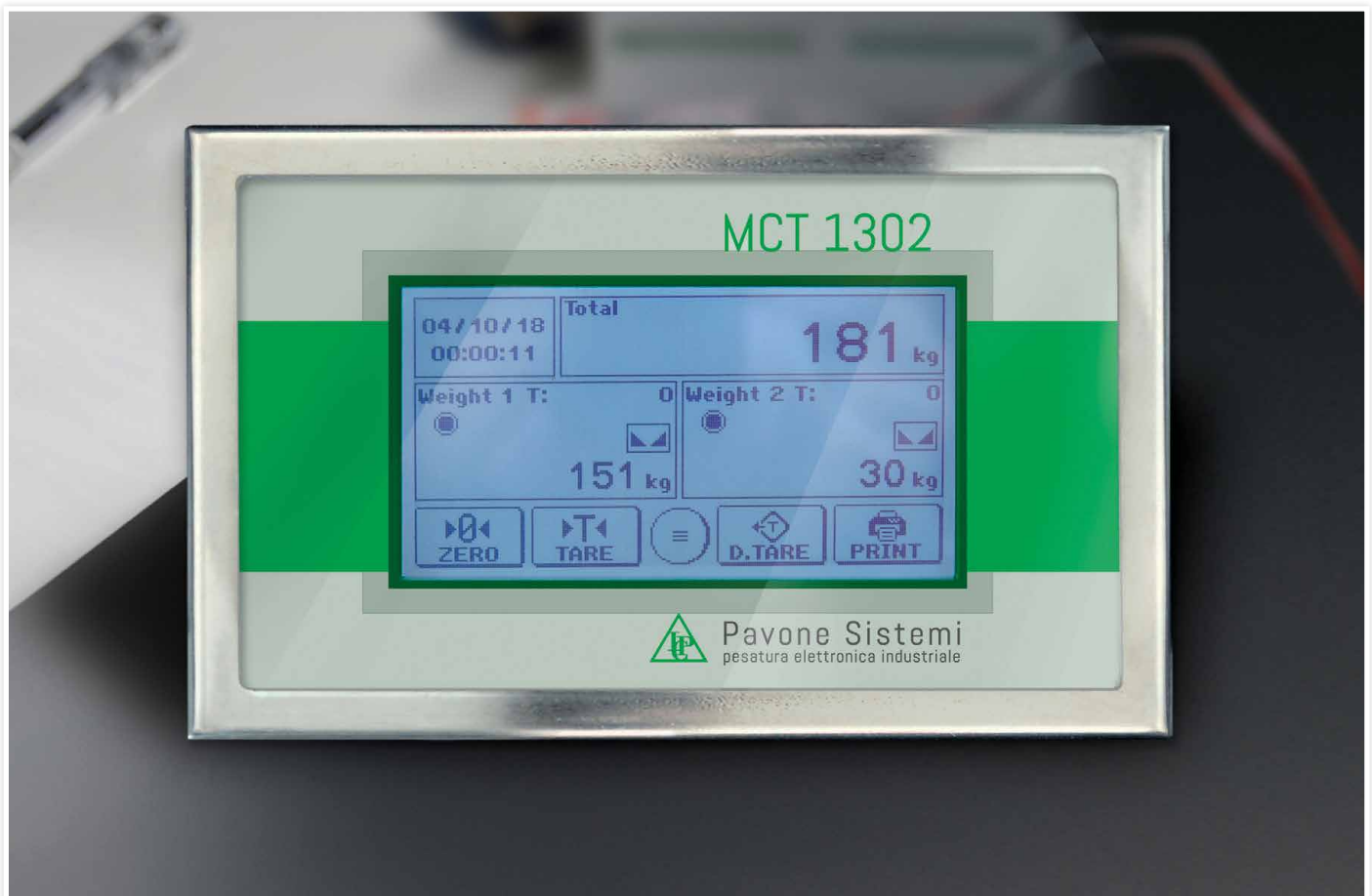

2] BATCHING

3] STATIC WEIGHING A+B
(double channel instrument)

OPTIMATION®
THE CHANGE OF PERSPECTIVE

WHAT MAKES **MCT**1302 DIFFERENT FROM ANY OTHER PRODUCT IS THE **OPTIMATION**® SOFTWARE, SUPPLIED BY PAVONE SISTEMI FOR FREE WITH THE PRODUCT. THE OPTIMATION IS A CHANGE OF PERSPECTIVE.

THANKS TO THIS SOFTWARE ALL THE OPERATIONS CONNECTED WITH THE PRODUCT CAN BE DIRECTLY MANAGED FROM THE PC.

THIS SOFTWARE CAN BE USED FOR READING AND PROGRAMMING DATA OF DAT1400 **VIA USB CONNECTION.**

DEVELOPED WITH A BOTTOM-UP APPROACH; THE RESULT IS AN INTUITIVE AND USER FRIENDLY SOFTWARE. IT IS EASY TO USE.

THE MAIN FUNCTIONS OF THE SOFWARE:

- SET-UP
- CALIBRATION
- FILTERS MANAGEMENT
- TESTING THE INPUTS, THE OUTPUTS AND THE ANALOG
- ACQUIRING WEIGHT VALUES AND EXPORTING TO .CSV
- DATA LOGGER FUNCTION
- DATA BACK UP
- RESTORE PREVIOUSLY SAVED DATA

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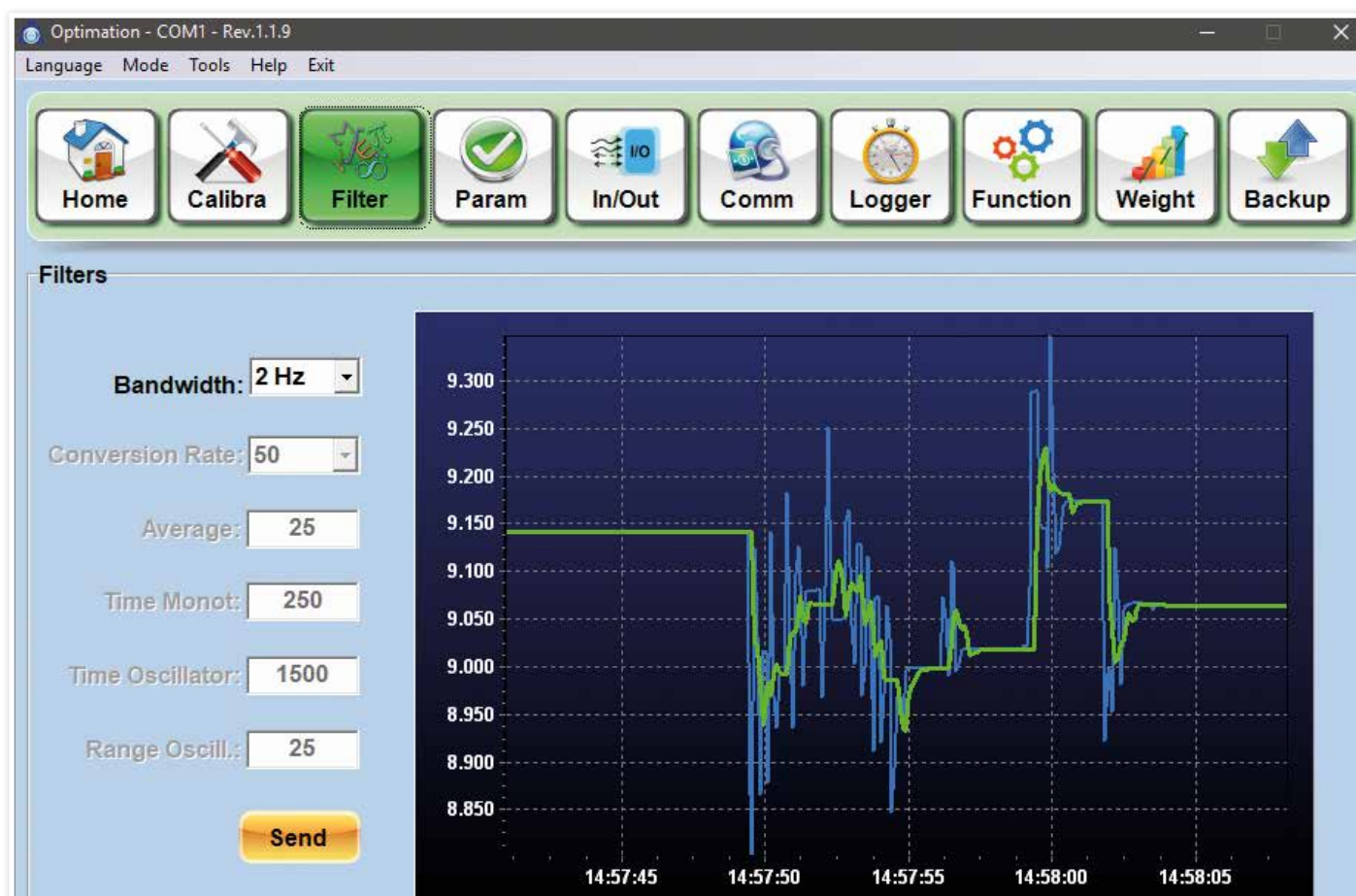pesatura elettronica industriale
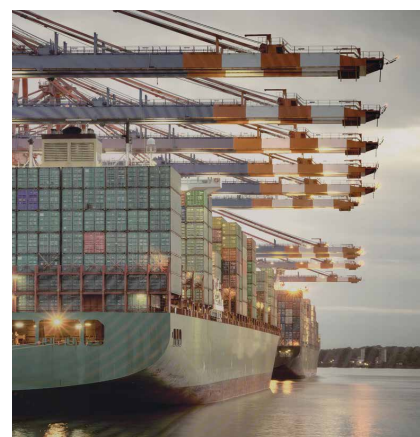
LET'S FOCUS ON SOME POINTS.
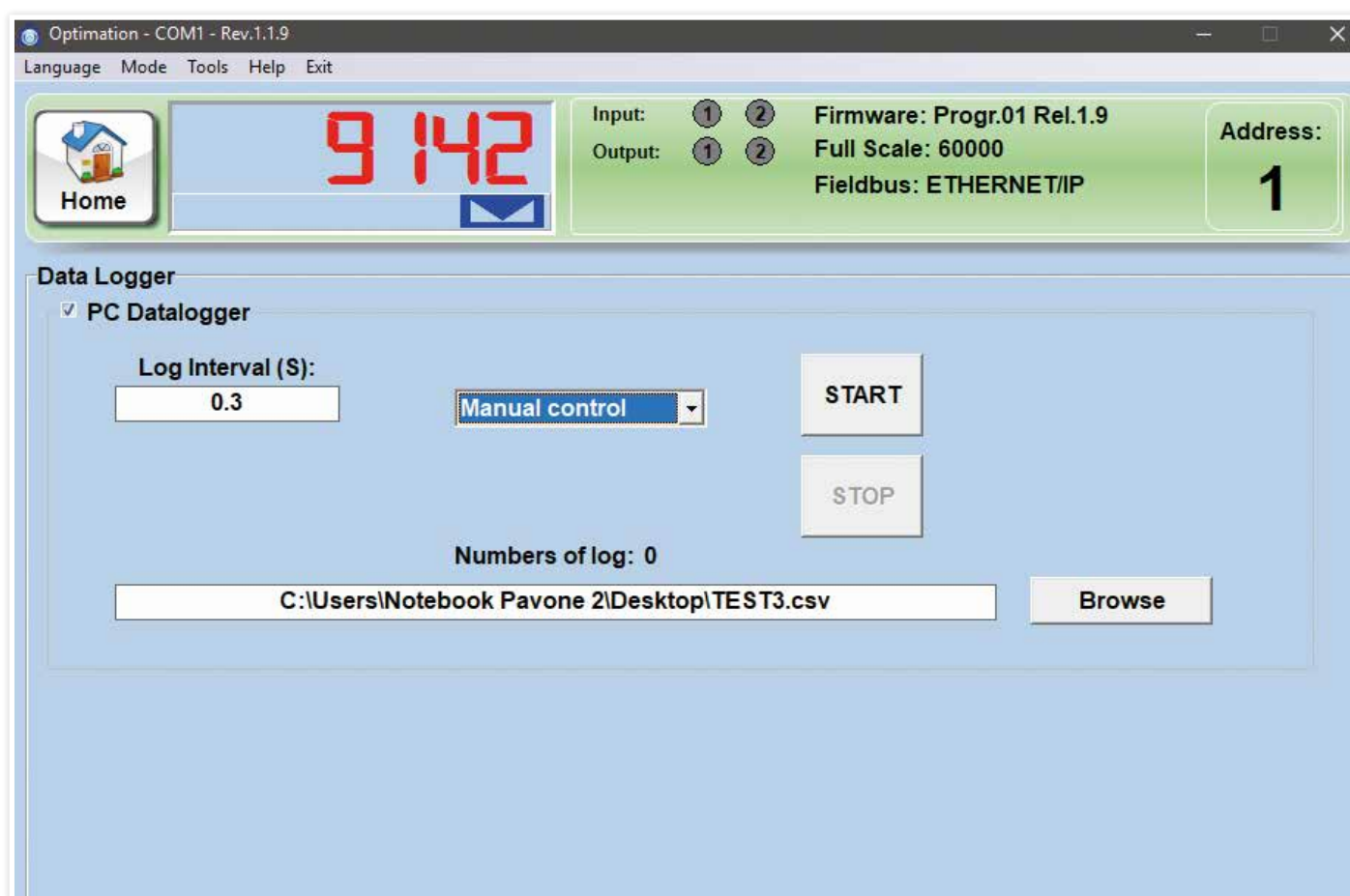
Data logger:

the functionality of the data logger already present in the **MCT**1302, in which i can choose the defined timing or customize the interval for starting and stopping the reading and recording the weight value (on optional alibi memory), is enhanced by the **OPTIMATION**®

software provided with the instrument, by connecting the **MCT**1302 via usb to the pc on which optimation is installed, in a simple and intuitive way you will find a complete monitoring and verification station.
You can configure the time

intervals using a user friendly interface, define where to save the file with the recording of the weighs, date and time of each survey, perhaps on a network file that is visible and can be consulted by more people if necessary.

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OPTIMATION ®
THE **CHANGE** OF PERSPECTIVE

LET'S FOCUS ON SOME POINTS.

Filters:

the **DAT**1400 allows you to optimize the weighs by using the FILTER function that combined with a reading speed up to 1000Hz guaranteed by our latest generation of internal digital analogue converter, will allow you to obtain more accurate and repeatable results as well as a

fast and stable reading. There are pre-configured filters that respond to the main applications (weighing of: mixers, turbo emulsifiers, vibratung tanks, stations on start & stop belts, etc.), as well as the possibility of a fully customizable filter. As for the **DATALOGGER** function, also in this case the **OPTIMATION**® software supplied

becomes a "gem" to manage the configuration parameters, to test and view the answers of the "filtered" instrument. All supported by a graph that in real time will show you the differences between the values filtered and not, helping you in case you use the custom filter in the configuration of the individual parameters.

Pavone Sistemi
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LET'S FOCUS ON SOME POINTS.
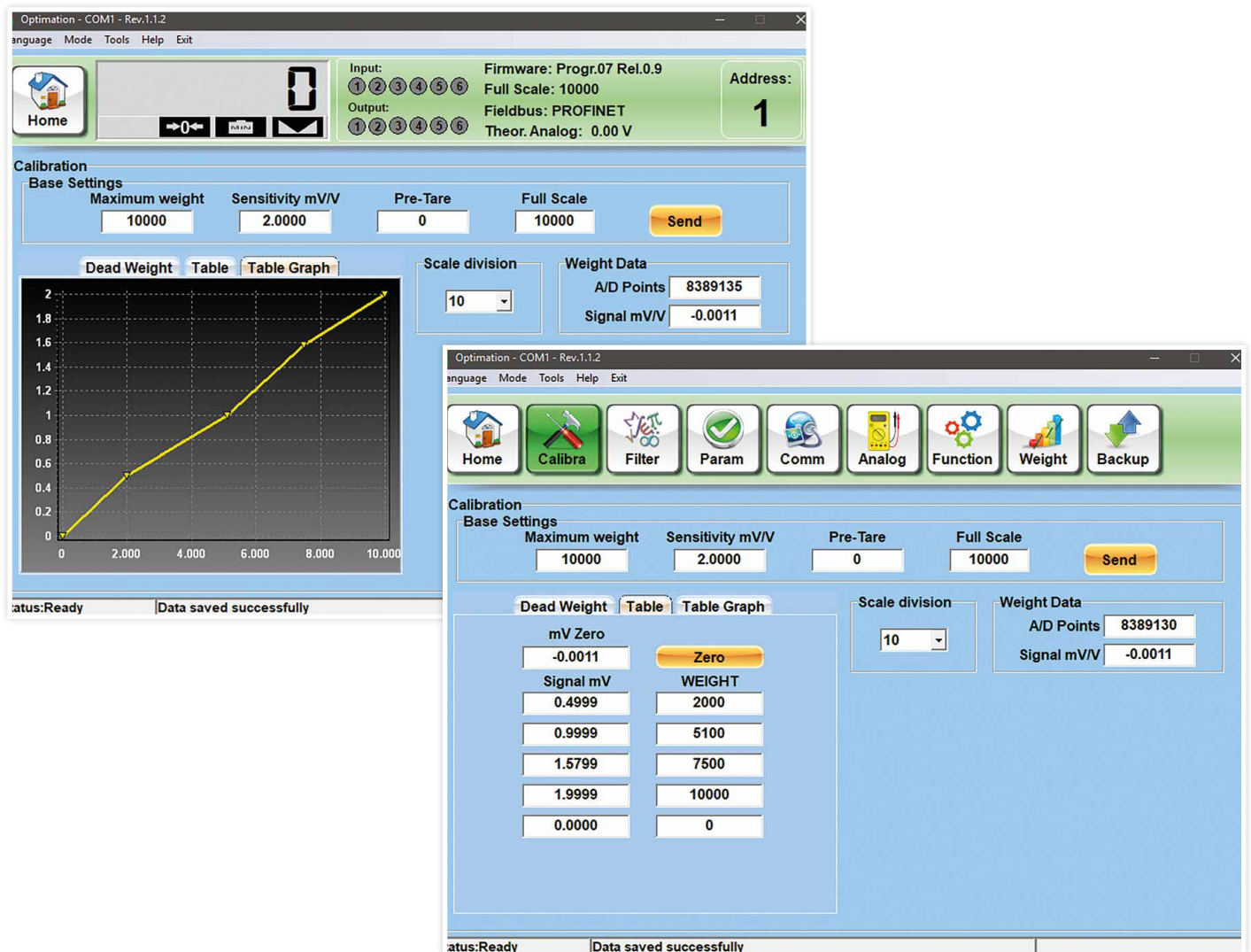

Thanks to Optimation it is possible to lock the **DAT**1400 keybord from the pc, so that people operating on the field cannot modify the parameters setted before.
In this way MCT1302 will dispaly the weight and nobody on the field will be able to mistaken data inserted by specialist operators.

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OPTIMATI⊙N®
THE CHANGE OF PERSPECTIVE

LET'S FOCUS ON SOME POINTS.

Table calibration:

table calibration is another feature that makes the **MCT**1302 a unique tool. The possibility of ahributing to a force, a certain defined weight value, allows this transmiher to be used in many applications.
An example is the tensiometric systems where the values read by the load cells are not translatable by weight except by calculations that should be done at each reading, slowing down the process of weight acquisition.

Pavone Sistemi
pesatura elettronica industriale

Recipes®
THE INNOVATIVE SOFTWARE FOR YOUR INDUSTRY

Through the software Recipes® you can create, offline, the recipes, inserting all the variabilie the quantities necessary to obtain the desired product.

Then connecting the instrument via USB you can upload them directly to the instrumen

Furthermore it is possible to save all the **Recipes®** contained in the instrument and store them in the PC.

This function is useful if you have to create a twin system or in the event of a machine stop (the instrument, for example, is broken and then all the saved items can be recharged without rewriting everything).

Recipes®
THE **INNOVATIVE** SOFTWARE
FOR YOUR INDUSTRY
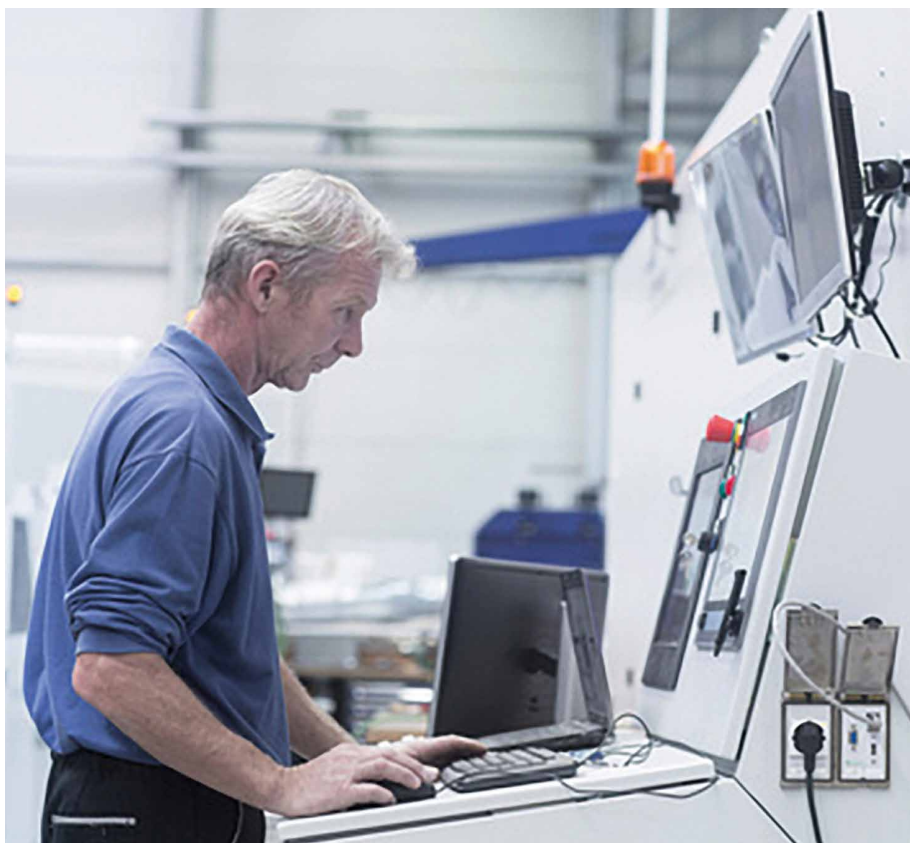
All other functions are manageable via **OPTIMATION**®

Pavone Sistemi
pesatura elettronica industriale

WHERE IT CAN BEUSED OUR SOLUTIONS:

STEELWORKS

From a historical point of view, the steel industry is the most important sector for Pavone Sistemi. The first applications of weighing equipment made with Pavone Sistemi date back almost 40 years ago. Today the Pavone Sistemi production includes load cells, mounting hardware, weight transmitters for PC/PLC, weight and batching indicators and weighing systems specifically designed for maximum efficiency and performance in this area.

PLASTIC

From a historical point of view, th Pavone Sistemi is able to develop custom load cells, able to adapt to the needs of the customer. Pavone Sistemi offers a wide range of indicators and weight transmitters, capable of interfacing to PC/PLC or dedicated boards using the main field bus on the market (Modbus RTU, Profibus DP, PROFINET, Ethernet, DeviceNet, CANopen) .

CHEMICAL-PHARMACEUTICAL

Our product offer finds a broad application in the Chemical and Pharmaceutical sector. Transmitters and weight indicators, load cells, weighing platforms, and much more can be used in harsh environments or in a modified atmosphere adapting to the needs of each installation. The applications are very varied: from the weighing of a reactor in the chemical industry to the development of a system for the microdosing of the powders in the pharmaceutical field.

FOOD

Over 50 years of activity Pavone Sistemi has become a supplier of the most important international manufacturers of machines and plants for the food industry. The implementation of systems for weighing silos and tanks is certainly one of our plus.

PAINTS

From a historical point of view, paint industry (along with steel) is one of the most important sector for Pavone Sistemi. The first applications of weighing equipment made by the Pavone Sistemi date back almost 40 years ago. Today the Pavone Sistemi production includes load cells, mounting hardware, weight transmitters for PC/PLC, weight and batching indicators and weighing systems specifically designed for maximum efficiency and performance in this area.

ENVIRONMENT

Pavone Sistemi was one of the first companies to provide its expertise in the field of weighing for the realization of plant in the ecological sector: recycling of raw materials, fume treatment plants for the production of energy from renewable. Precision and accuracy, these are the main characteristics of the systems that Pavone Sistemi provides to companies that work for the Environment

PACKAGING

Weighing and packaging industry: the link between the two sectors is represented by the Pavone Sistemi products. For more than 30 years Pavone Sistemi's been representing -in Italy and Europe- NMB Minebea, a Japanese company worldwide leader in the production of off-center load cells ideal for packaging machines. Pavone Sistemi products are recommended in the implementation of applications on multi-head weighers, vertical packaging machines, packaging, etc.

PAPER-TEXTILES

Pavone Sistemi thanks to its experience, dedication to research and development offers multiple solutions for the textile and paper industries. Scales, load cells, weight indicators and transmitters per PC/PLC, integrated into the process automation. Systems for mixing macro and micro components and systems for weighing and batching raw materials, systems for measuring and adjusting fabric tension on the roller. Reliability, durability and maximum quality and precision these are certainly the UPLIFTf a Pavone Sistemi weighing system.

UPLIFT

The magic word is custom! Weighing systems and load limitation applicable to overhead traveling cranes, aerial work platforms, cranes, hoists and lifts specially designed according to the specific needs of each client, here's what Pavone Sistemi can offer you. On each type of lifting system can be installed a Pavone Sistemi load limiters.

PETROCHEMICAL

Pavone Sistemi offers innovative solutions for the petrochemical industry: load cells, platform scales, weight transmitters and weight indicators are designed to be integrated into any type of system and can interface with PLCs of the most renowned international brands through the main field bus on the market (Modbus RTU, Profibus DP, PROFINET, Ethernet, DeviceNet, CANopen).

Pavone Sistemi
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BRANDS

Over the years
we have acquired
the exclusive
representation
of some prestigious
companies.

BLH NOBEL
A **VPG** Brand

VPG PERFORMANCE THROUGH PRECISION

Thames Side

TRANS·TEK INCORPORATED

SEG

CERTIFICATIONS

Through the years we have gained all available certification for guaranteeing you
nothing but the best in products and services.

CONTACTS

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