

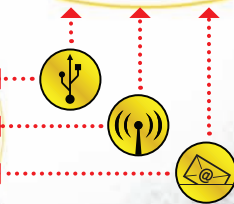
# MC 402

ON-BOARD SCALE FOR WHEEL LOADERS

**LEGAL  
FOR TRADE**  
VERSION AVAILABLE



**FREE  
DATA  
TRANSFER**



## MC 402

GET THE CORRECT MEASUREMENT OF YOUR LOADS

The MC 402 is an on-board scale for wheel loaders. It displays the weight of the material in the bucket as it is being lifted. Designed primarily to help carry out loadings of trucks, this on-board scale can be programmed to store a combination of more than 1000 labels. The MC 402 can also be calibrated for up to 3 attachments, so you can switch buckets or even use forks with no problem! The MC 402 is a simple yet powerful weighing system.



## WHY CHOOSE ASCOREL?

- WE HAVE EXPERIENCE. We've been involved with loader scales since our creation in 1988.
- WE HAVE THE MOST USER- FRIENDLY SYSTEMS. One of the largest screens in the industry, an icon-driven menu and a keyboard featuring dedicated keys. We train operators quickly and easily no matter what language they use. Our systems are powerful and easy to use.
- ASCOREL is ISO 9001 CERTIFIED. That means ASCOREL has established and applied quality management systems for designing, manufacturing, installing and servicing our systems that are internationally recognized.
- WE'RE FULLY COMMITTED TO OUR CLIENTS. Our distributors are true service companies committed to provide you with the best service possible.

## WHY USE OUR SCALE?

- Eliminates guess work and **increase your productivity and profit!**
- Save time by **optimizing loading cycles** and reducing vehicle turnaround.
- Cost effective alternative to a weigh bridge on temporary/not fully equipped work sites.
- Consistent vehicle loadings.
- Optimize traffic in quarry
- Control overloads and **avoid fines!**
- Better service to the customer means an **enhanced corporate image.**
- Ensure more **effective operational management.**
- Promote and enhance **operator job satisfaction.**

## PUPITRE

MC 402



MAIN FUNCTIONALITIES	MC 222	MC 382	MC 402	STORAGE CAPACITY	MC 222	MC 382	MC 402
<b>DEDICATED FUNCTION KEYS</b> One function per key	✓	✓	✓	PRODUCTS			✓ (100)
<b>ALPHANUMERIC KEYBOARD</b> Keyboard features numbers and letters for ease of use			✓	CLIENTS		COMBINAISON DE 10 REFERENCES	✓ (500)
<b>LAST BUCKET TRIMMING</b> Adjust last bucket at the source pile in order to meet load target	✓	✓	✓	VEHICLES			✓ (400)
<b>PROGRAMMABLE TARGET LOAD</b> Tells the operator how much material remains to be loaded		✓	✓	DESTINATIONS			✓ (400)
<b>MULTIPLE ATTACHMENTS CALIBRATION</b> System can be calibrated for various attachments (buckets, forks...)	✓ (5)	✓ (3)	✓ (3)	<b>OPTIONS</b>	<b>MC 222</b>	<b>MC 382</b>	<b>MC 402</b>
<b>MULTIPLE OPERATORS CALIBRATION</b> System can be calibrated according to a given operator's loading style			✓ (3)	<b>PRINTERS</b> - rolls - forms (A5 format)	✓	✓ ✓	✓ ✓
<b>AUTOMATIC BUCKET CANCELLATION</b> Automatic cancellation of a bucket when the cumulative weight exceeds the target or if the bucket has not been unloaded		✓	✓	<b>CERTIFIED LEGAL FOR TRADE*</b> Scale interval of 10 kg now available			✓ (MC 402 HTC)
<b>LOAD RECALL</b> Ability to recall loads that have been manually or automatically cancelled		✓	✓	<b>DATA TRANSFER</b> The IPCS software allows the transfer of data to a PC via USB, EMAIL or RADIO			✓
<b>SUBTRACTION MODE</b> Ability to subtract the remaining product from the bucket	✓	✓	✓	<b>TEMPERATURE SENSOR</b> Adjustment of the weight according to the hydraulic's oil temperature of the machine		✓	✓
<b>REPRINTING TICKETS</b> Reprint tickets of the day of from the day before		✓	✓				

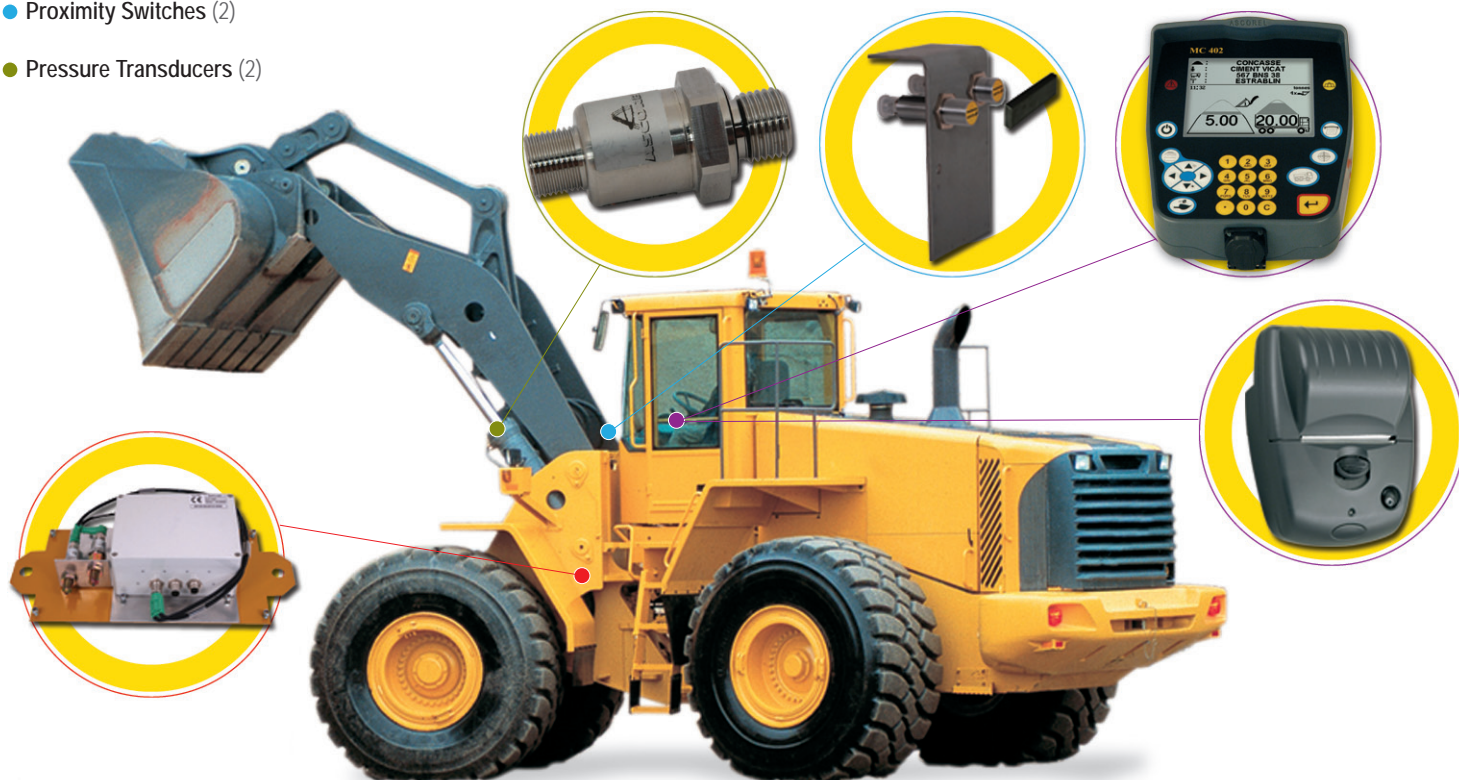
(\* OIML R51)



## STANDARD CONFIGURATION

MC 402

- Junction Box
- Head Unit MC 402  
Optional Printer
- Proximity Switches (2)
- Pressure Transducers (2)



## PRINTERS (OPTION)

Simple and reliable tools to keep track of your productivity.

Thermal Printer (Able)

Size:  
16 x 13 cm (6.3 x 5.1 in)

Printer for A5 format receipts (Epson)  
Possibility to use your own paper

Print up to 5 receipts at the same time

Size:  
22 x 20 cm (8.6 x 7.8 in)



12/01/12 11:35  
N°: 0004

ASCOREL

PROD: GRAVEL  
CUST: CIMENT VICAT  
VHL: 567 BNS 38  
SITE: ESTRABLIN

TARGET : 24,00t  
TOTAL : 23,94t

Bucket counts : 4

Thank you

**TIME STAMP:** Date, time and ticket number. Ticket number can be reset at programmable intervals.

**HEADING:** Contains the information about your company, usually its name and address.

**LOADING PARAMETERS:**  
Combination of more than 1000 labels.

**RESULTS:** Indicates the target load, the real weight loaded and the number of buckets to reach the target.

**BOTTOM OF THE TICKET:** Your choice of message. Easily Customizable.

## FEATURES AND BENEFITS EXPLAINED

### MC 402

#### PROACTIVE SAFETY AND EFFICIENCY

The MC 402 has been designed with a simple idea in mind: "To eliminate guess work and to increase profitability and profit at an affordable price".

Underload a truck and you lose money. Overload a truck and you have two choices:

- Let the truck leave overloaded and run the risk of having to pay a fine
- Waste time and money adjusting the load

Save money by doing the job correctly the first time.

Our line of scales can help you **eliminate guesswork and increase your productivity and profit!**

The MC 402 come also in a legal for trade version. Consult with ASCOREL.

We have the ability to transfer this system from one machine to another.

## iPCS

### THREE WAYS TO TRANSFER DATA

The iPCS software allows you to transfer data from your MC 402 to a PC via USB.

You also have the possibility, in option, to transfer data by email or radio. (take a look at the iPCS brochure)



## TECHNICAL SPECIFICATIONS

### MC 402

#### PRECISION

99% or better

#### POWER REQUIREMENTS

Supply Voltage: 9-36 Volts DC

Supply current: 0.3 A + 0.25 mA with printer

#### DISPLAY AND KEYBOARD

- Our graphic display is one of the largest (320x2440 pixels) in the industry with a 4.07x3.5in. (12x9cm) size.
- The contrast can be adjusted as desired and both the screen and the keyboard feature a backlight that make them easy to see anytime of the day.
- The alphanumeric keyboard has dedicated keys (only one function per key) for ease of use.

#### PHYSICAL CHARACTERISTICS

Dimensions: W 7.5in. x L8.3in. x D2in  
(L19cm x L21cm x P5cm)

#### ENVIRONMENTAL CHARACTERISTICS

Operating temperature: -4°F to 158°F (-20°C to 70°C)

Storage temperature: -22°F to 185°F (-30°C to 85°C)

Protection: IP65 (Dust and Water resistant)

Vibration: qualified to GAM-EG-13

Corrosion resistance: qualified to NFX41002

#### MEMORY

Data is not affected when main power is turned off.

RAM: 32 kb

EEPROM: 32 kb

Flash: 1 Mo

## INSTALLATION

### ON WHAT TYPE OF EQUIPMENT CAN THIS SYSTEM BE INSTALLED?

This system can be installed on loaders of any size, make or model as well as other types of lifting vehicles.

Contact us regarding your specific application.



#### PREFERRED RESELLER

#### CONTACT-US

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**2 YEAR WARRANTY**  
EXTENSIONS AVAILABLE