

## Meter EMC4 programming guide

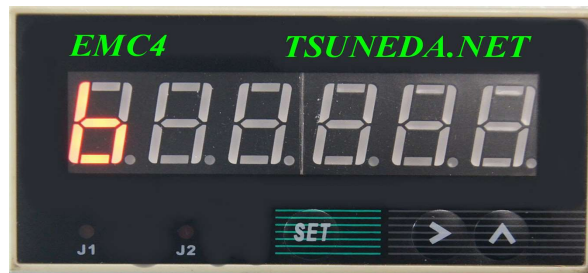


### Change the Reading Standard

Push the "SET" button.



Using the cursors, enter the password PP0036  
Push the "SET" button



Push the "UP" cursor 3 times, "b" will appear on the display  
Push the "SET" button

Using the cursors, set the value of "b" to  
014185 for feet reading  
046248 for reading in meters  
042892 for yard reading



Push the "SET" button

Push the "UP" cursor 3 times, "End" will appear on the display  
Push the "SET" button

The meter is set to read the length in the selected standard.

## **Meter calibration**

To calibrate the meter, change the value of "b" value up to +/- 3%.

## **Changing the measuring direction**

The switch on the back of the meter housing changes the measuring direction.

## **Connecting an alarm, a cutting or other device**

The meter has built-in two programmable relays capacity A/C 250V, 3A to control external devices, such as an alarm, a cutter or any other devices.

In the back of the counter housing there is an additional cable gland for an external device wire.

## **Relays programming**

Push the "SET" button

Using the cursors, enter the password PP0001

Push the "SET" button

Push the "UP" cursor "J1" will appear on the display

Push the "SET" button

Use the cursors to enter the required length of the cable after measuring which the relay J1 will switch.

Push the "SET" button

Push the "UP" cursor "J2" will appear on the display, program relay J2 if you need it  
program relay J2 if you need it

Or press cursor "UP" twice to finish programming the relays.

"End" will appear on the display.

Push the "SET" button

The relays have been programmed.

Relay settings have been stored until they are reprogrammed, regardless of the number of measurements.

**OIL METER EVERY 50 HRS. OF OPERATION !!!**

**If you have any questions please don't hesitate to contact us.**

**[f.tsuneda@gmail.com](mailto:f.tsuneda@gmail.com)**



***Made in Saint Louis, Missouri, U.S.A.***  
***By: TSUNEDA.NET [www.tsuneda.net](http://www.tsuneda.net)***

## Specification:

### *Measuring diameter range:*

#### *Option 1*

*between 1/16" and 3/8" or 2 and 10mm*

#### *Option 2*

*between 3/8" and 3/4" or 10 and 20mm*

#### *Option 3*

*for custom diameter between 1/16 "and 3/4" or 2 and 20mm,  
not drilled guide plastics.*

*(The guide plastic hole should be 20% larger than the measured line.)*

#### *Option 4*

*Heavy Duty between 5/8" and 1" or 15 and 25mm*

## Meter Options:

### *Option 1*

*between 1/16" and 3/8" or 2 and 10mm*

### *Option 2*

*between 3/8" and 3/4" or 10 and 20mm*

### *Option 3*

*for custom diameter between 1/16 "and 3/4" or 2 and 20mm,  
not drilled guide plastics.*

*(The guide plastic hole should be 20% larger than the measured line.)*

### *Option 4*

*Heavy Duty between 5/8" and 1" or 15 and 25mm*

### *Option 5*

*for custom diameter between 1/16 "and 3/4",  
not drilled guide plastics only.*

*Meter not included.*

### *Option 22*

*The meter comes with a cable with a power plug that fits into European sockets.*

### *Option 23*

*The meter comes with a cable with a power plug that fits into British sockets.*

### *Option 24*

*The meter comes with a cable with a power plug that fits into Australian sockets.*

## **Option 25**

*Remote wired 5 feet or 1.5 meters screwed "RESET" button.*

## **Option 25A**

*Remote wired 5 feet or 1.5 meters adhesive "RESET" button.*

## **Option 26**

*Communication port for controlling external devices and remote reset. Includes 5" or 1.5 m cable.  
The meter's communications port allows access to two programmable relays to control external devices and remote reset.*

## **Option 26A**

*Communication port for controlling external devices and remote reset. Includes 5" or 1.5 m cable.  
The meter's communications port allows access to two programmable relays to control external devices and remote reset.*

## **Option 28**

*Extended to 15 feet or 4.5 meters cable between meter and display box.  
Maximum extended cable length 45 feet or 10 meters.*

*Option only purchase for meters with the communications port installed only.*

*Price only for additional meter option. Does not include the cost of the meter. Meter not included.*

## **Option 29**

*Extension cable 10 feet or 3 meters for increase distance between meter and display box.*

*Option only purchase for meters with the extension port installed only.*

*Price only for additional meter option. Does not include the cost of the meter. Meter not included.*

## **Option 30**

*Measuring module detachable from the display module.*

*This option allows to connect various measurement modules or connect an extension cable.*

## **Option 32**

*Communication port splitter.*

*This option allows you to connect multiple external devices to the meter's communication port.*

*For example, remote reset button and cutter.*

## **Option 34**

*The meter is powered by an internally rechargeable battery, DC 12V or AC 100 -240V.*

*This option allows the meter to be used where it cannot be powered from the mains.*

*The internal battery allows the meter to operate up to 20 hours without the need to charge it.*

*The advanced battery level indicator monitors when it needs to be charged 10 hours and 2 hours before it goes flat.*

*This option includes Option 30 - Measuring module detachable from the display module.*

*This simplifies battery charging.*

## **Option 36**

*An external rechargeable battery pack 12V, 10.4 Ah, 100 Watts allows the meter to operate up to 100 hours without the need to charge it.*

## Specification:

*Measuring diameter range:  
between 1/8 and 1 inch or 3 and 25 mm*

*Pulling speed: up to 300 feet/min or 100 meters/min*

*Length resolution: 3/8" or 1cm*

*Length measurement error: 1%*

*Reverse count function: yes*

*Measuring directions switch: yes*

*Cord between meter and display length: 5' or 1.5 m.  
Optionally, it can be extended to 35 Feet or 10.5 meters.*

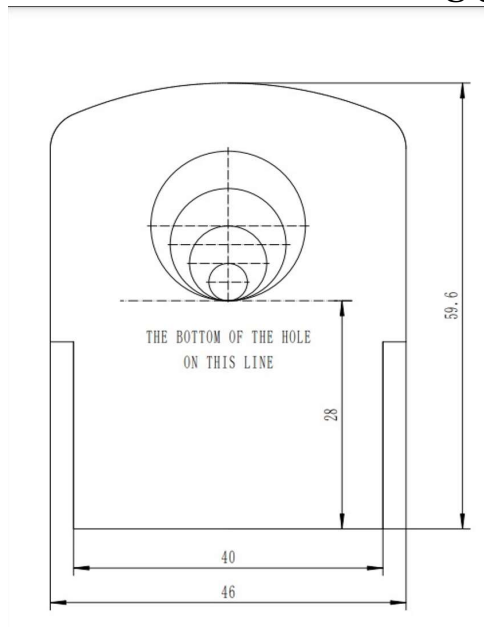
*Power Supply:  
AC between 85V and 260V  
Power Cord length: 5' or 1.5 m. American A type plug.*

*Operating temperature:  
between 40F and 120F or +5 and 50C*

*Overall dimensions: 6" x 6" x 6"*

*Weight: 4 Lbs. or 2 kg*

## Custom Diameter Hole Drilling guide



The diameter of the guide hole should be 20% larger than the diameter of the item being measured.