

ONE YEAR LIMITED WARRANTY

The PSC-64D, including both the controller and sensor, is warranted by HM Digital, Inc. ("the Company") to the purchaser against defective materials and workmanship for one (1) year from the date of purchase.

What is covered: Repair parts and labor, or replacement at the Company's option. Transportation charges for repaired or new product to be returned to the purchaser.

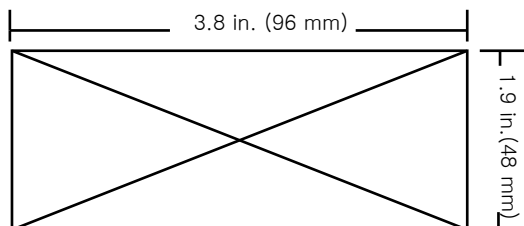
What is not covered: Transportation charges for the defective product to be sent to the Company. Any consequential damages, incidental damages, or incidental expenses, including damages to property. This includes damages from abuse or improper maintenance such as tampering, wear and tear, water damage, or any other physical damage. The Company's products are not waterproof and should not be fully submerged in water. Products with any evidence of such damage will not be repaired or replaced. See additional note below.

How to obtain warranty performance: Attach to the product your name, address, description of problem, phone number, and proof of date of purchase, package and return to:

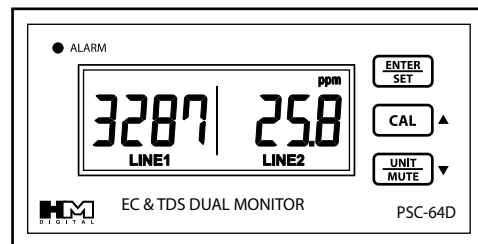
HM Digital, Inc.
ATTN: Returns
5819 Uplander Way
Culver City, CA 90230 USA

Contact Info: info@hmdigital.com / www.tdsmeter.com / 1-800-383-2777

[PANEL CUT-OUT SIZE DIAGRAM]



USER'S GUIDE



PSC-64D



www.hmdigital.com

[Alarm Setting]

– Alarm converts automatically for each scale according to each factor and only applies to LINE2.

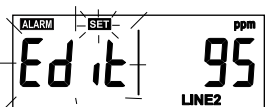
Showing example applies to 150ppm.



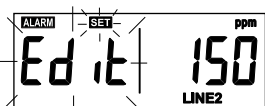
1. Press **ENTER SET** button for 2 sec.
2. With "oFF" display, Press **UNIT MUTE** button once to change to "on"

► When Alarm is not in use, Press **ENTER SET** button with "oFF" displaying.

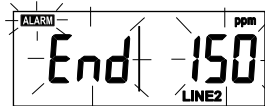
3. Press **ENTER SET** button to display previously stored value.



4. Press **CAL** button reach 150ppm
Press and hold accelerates the process.



5. Press **ENTER SET** button shortly after set the desired value to save and return to Regular Mode with blinking "End" 3 times.



[Mute Alarm]



- Mute Alarm sound separately.
- Press **UNIT MUTE** button for 2 sec. in Regular Mode with blinking "oFF" 3 times. Only alarm icon and backlight warning will blink without alarm sound when detect exceed value. Pressing button 2 sec. changes to "ON". Alarm resetting and plug-in will cause to return to on status.



[Display Temperature]

Press **CAL** + **UNIT MUTE** buttons simultaneously for 2 sec. in Regular Mode to display temperature. Press **UNIT MUTE** button to select C/F.

Press **ENTER SET** button to return to regular mode.

[Temperature Calibration]

Press **CAL** + **UNIT MUTE** buttons simultaneously for 2 sec. to display temperature. Press **CAL** button for 5 sec. and choose "L1" or "L2". While "Edit" and temperature value blinking, Press [UP] or [DOWN] button to set value. Press **ENTER SET** button to display "C->CA->CAL". Temperature value will be stored with "End".

[Initialization]

► Alarm Reset

1. Press **ENTER SET** button for 2 sec. to enter the Setting Mode.
2. With "AL | on" or "AL | oFF" displaying, Press **CAL** + **UNIT MUTE** buttons simultaneously for 3 sec. to reset with 3 blinks of "CLr | AL".

► EC, TDS Value Reset

1. Press **CAL** button for 5 sec. to enter the Calibration Mode.
2. Choose "L1" or "L2" and Press **CAL** + **UNIT MUTE** buttons simultaneously for 3 sec. to reset with 3 blinks of "CLR".

► Temperature Reset

1. Press **CAL** + **UNIT MUTE** buttons simultaneously for 2 sec. to enter the Temperature Mode
2. Press **CAL** button for 5 sec. to enter the Calibration Mode and choose "L1" or "L2". Press **CAL** + **UNIT MUTE** buttons simultaneously for 3 sec. to reset value with 3 blinks of "CLr"

[Product Features]

- Measure from low to high range without sensor replacement.
- Back light blinks when exceeded value is detected .
Blinking and alarm sound get faster and louder proportionally to exceedvalue.
- ON/OFF function for alarm.
- Temperature display.
- Display LINE1 and LINE2 simultaneously with dual sensor.
- Support 4~20mA out-put.

[Product Specification]

EC Range: 0~9999uS/cm / 0~20.00mS/cm

TDS Range: 0~9999ppm(mg/L) / 0~10.00ppt(g/L)

Resolution: uS & ppm: 0.1(0.0~99.9) , 1(100~9999)

mS & ppt: 0.01

Accuracy: $\pm 1.5\%$ (FS)

ATC Range: Automatic(ATC), 1~60℃

Calibration: Digital Button

Alarm: 2 Point alarm setting. Alarm is triggered when value exceed.

Mute Function: Alarm ON/OFF function.

Display: 2.3" LCD, Backlight feature.

Sensor: Dual sensor(1/2" NPTF bushing)

Cable: 3m(9.8ft) shielded cable(2 pcs.)

Out-put: 4~20mA(Max load 500Ω)

Out-put accuracy: $\pm 0.05\text{mA}$

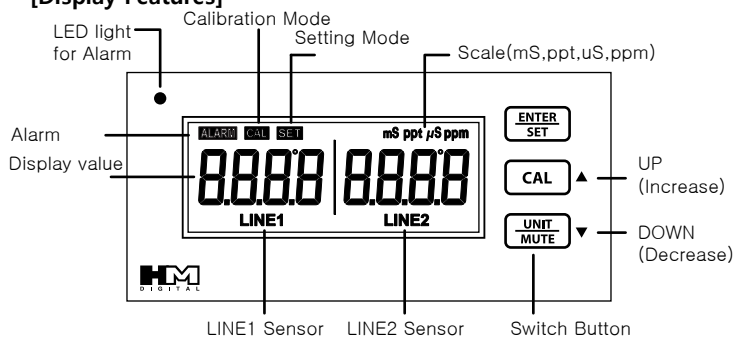
Power Source: 110V~220V, $\pm 10\%$ VAC;50/60Hz

Dimension: 96 x 48 x 100 mm / 3.8 x 1.9 x 3.9 inch

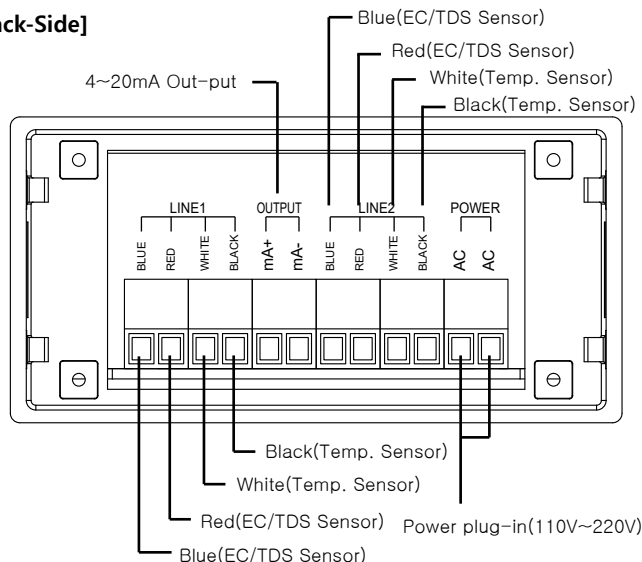
Weight: 261g / 0.58 Lbs (excludes sensor and cables)

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[Display Features]



[Back-Side]



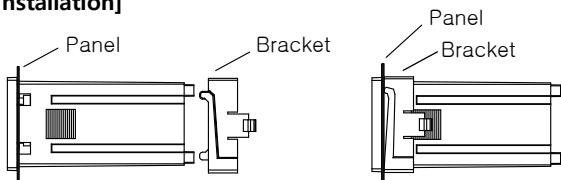
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[Components Included]

- Please check components before use.

1. Controller: 1EA
2. Panel fixing bracket: 1EA
3. Sensor(1/2 inch.): 2EA
4. Sensor Cable(Shielded): 2EA
5. Power Cable: 1EA
6. User's Guide: 1EA

[Installation]



1. Place the product in designated space.
2. Insert the bracket to fix.

[Connecting Cable]

1. Insert the LINE1 and LINE2 sensors to matching colored terminal and tighten with flat-head screwdriver.
2. Product needs 3 min. of stabilizing period after initial power connect.

[Scale Setting]

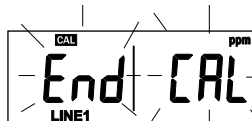
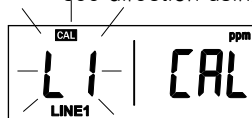
- Press **UNIT MUTE** button after plug-in.
Pressing button converts the scale from ppm -> mS -> ppt -> uS.

[Calibration]

- 3 min. of stabilizing period is required before calibration.
- Prepare buffer-solution before calibration.

There are two ways to calibrate:

1. Calibrate with the water from actual pipe after connect the sensor which was measured with a portable TDS/EC meter.
2. Calibrate by submerging sensor in buffer-solution. Below see direction using 342ppm sample.



1. Choose ppm scale.
2. **CAL** Press button 5 sec.
3. Blinking "L1" indicates LINE1 is calibrating. Press button if you want to **UNIT MUTE** calibrate LINE2. "L2" will be shown.
4. Press button **ENTER SET** to display 'SET' and 'Edit' blinking.
5. Press **UNIT MUTE** button to reach 342ppm. (Press and hold accelerates the process)
6. Press **ENTER SET** button and wait for 'C->CA->CAL'. Wait for next display.
7. "End" icon blinks 3 times and return to Regular Mode after calibration.
► Choose 'L2' in Step 3 when need to calibrate LINE2 sensor.
► Calibration is possible in different scale.

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