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**PORTABLE ELECTRONIC THERMOMETER**

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**PET-250.1**

***IN PROCESS TO EXCELLENCE***

# PET-250.1 OVERVIEW



## For Easy Distinguish:

Displays Time of measurement

Q T: 51.53°C  
12:03 #5

Displays Date of measurement

Q T: 51.53°C  
22/Aug/15

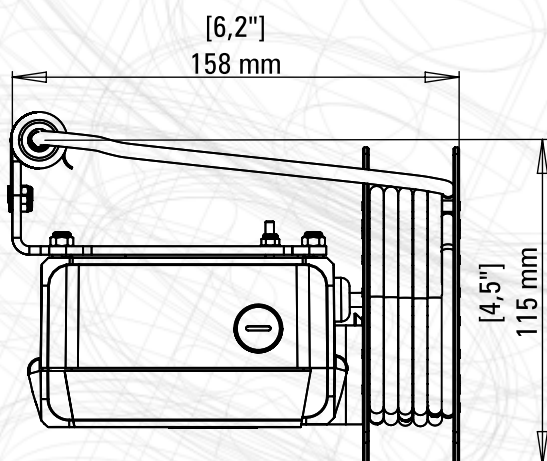
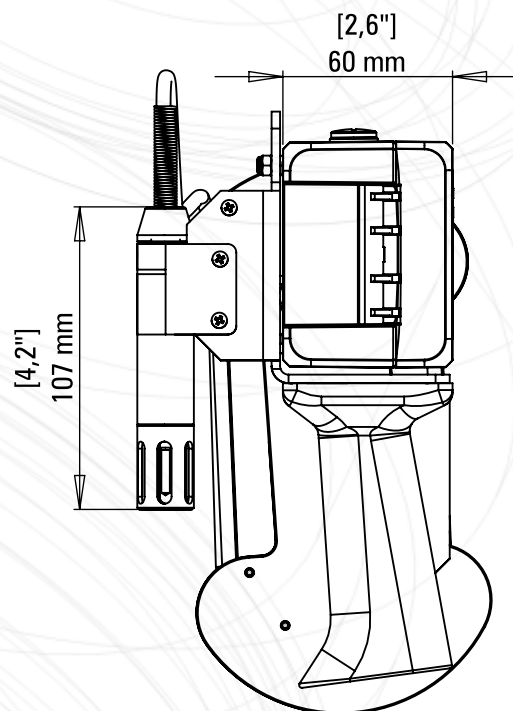
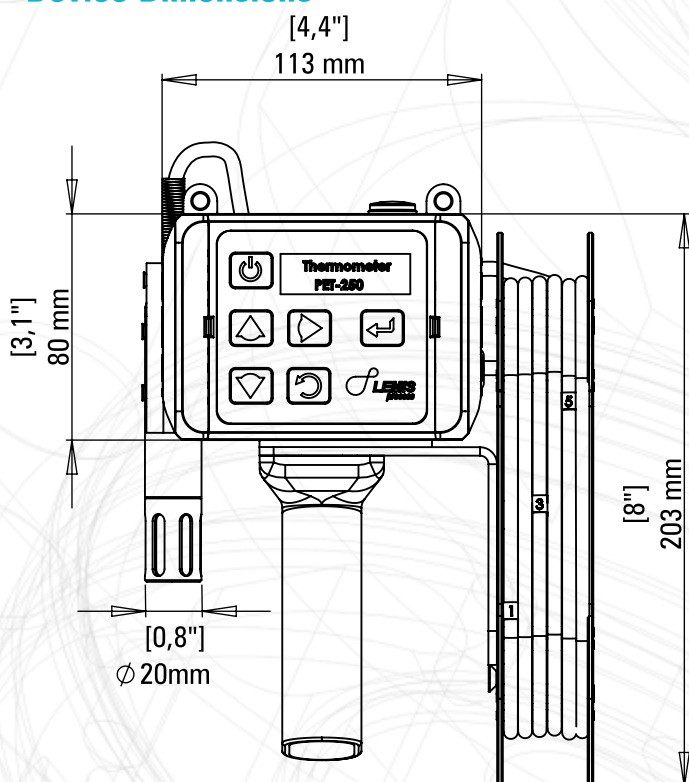
Displays Interface Level and Tank Nr

Level: 12.0 m  
Tank Nr: 007

Displays Probe Nr and available memory

Nr: 001273  
Memory: 2717

## Device Dimensions



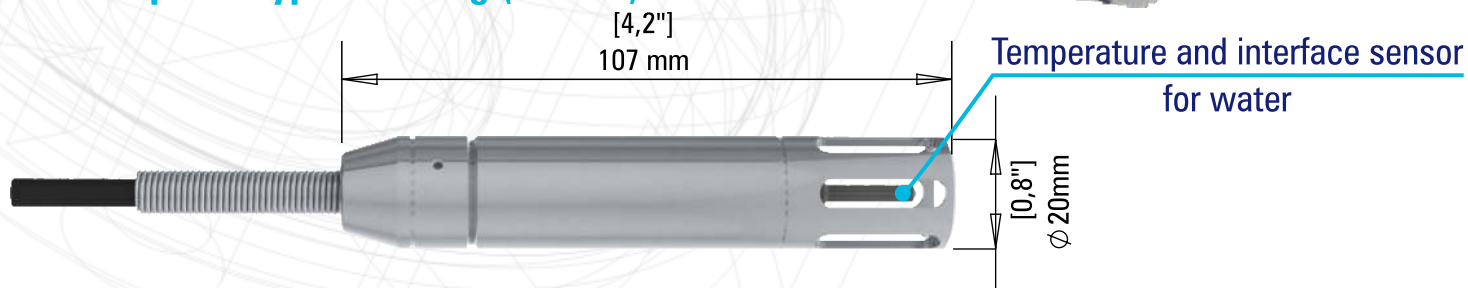
## Cable replacement without recalibration

PET-250.1 use 4-cores technology, which remove necessity of cable conductivity changes from temperature compensation.

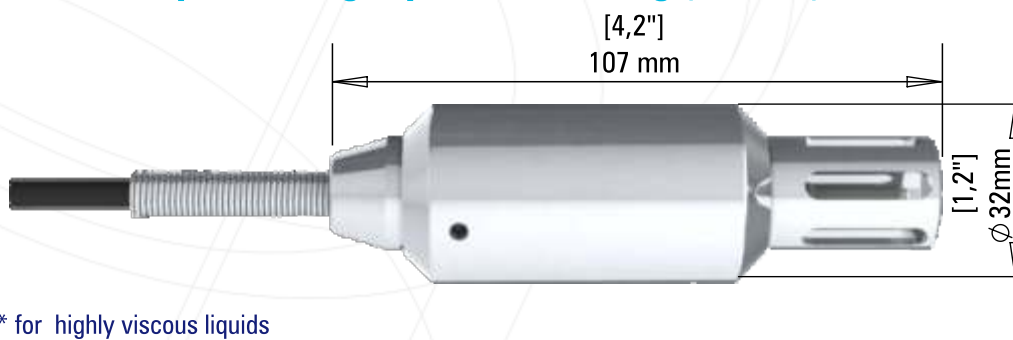
Operator can provide cable replacement without needs of new probe recalibration.

Extra weight probe - 0.22 kg (0.48 lb) \*

Standard probe type - 0.13 kg (0.28 lb)



Extra or Asphalt Weight probe - 0.35 kg (0.77 lb) \*



\* for highly viscous liquids



**Measuring range:**

Probe temperature range	-40... +200°C (-40... +392°F)
Ambient temperature range	-40... +50°C (-40... +122°F)

**Accuracy:**

Temperature (-40 to +130°C)	±0.1°C (±0.2°F)
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**Repeatability (exceed API MPMS Chapter 7):**

Temperature (-40°C to +50°C)	±0.05°C (±0.2°F)
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**Resolution:**

Temperature	0.1°C(0.2°F) or 0.01°C (0.02°F)
Temperature scale:	°C or °F selectable

**Cable**

Material	FEP Teflon jacket or PTFE
Cable length	up to 30 Meters (98ft)
Markers	every 2,5 ft in imperial measurement system every 1 m in metric measurement system

**Sensor:**

Temperature sensor	PT-1000 element Class A
Material	Stainless steel SS 304

**Electronic box:**

Material	Antistatic Polyamide base
Power supply	NiMH 3.6V-2500 mAh rechargeable battery
Operating time without charging	Appr. 40 hours

**Dimensions:**

Controller	203 x 158 x115 mm (8.0 x 6.2 x 4.5")
Probe	107 x ø20 mm (4.2 x ø0.8")

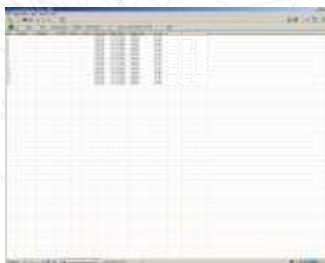
**Intrinsically safe:**

Controller	ATEX II (2G) EEx ib [ia] IIB T4
Probe	ATEX II 1G EEx ia IIB T4
Weather rating	IP 67
Data handling	OLED Display (2x12) with backlight Local memory up to 3000 results
Data Transfer	Built-in Bluetooth

**\* Option**

Able to download the measurements to PC;  
Multifunctional software allows to proceed the  
measurements results in user-convenient form;  
Compatible for a Windows Vista/7/8.\*

Immediate printout of the measurements  
by bluetooth;  
No need for PC.\*



Delivered in compact carrying case

**Certifications:**

**For more information please visit [www.lemis-process.com](http://www.lemis-process.com)**



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