



250 SERIES



PORTABLE ELECTRONIC THERMOMETER

PET-250.2

IN PROCESS TO EXCELLENCE

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 (98.4 ft.)
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:

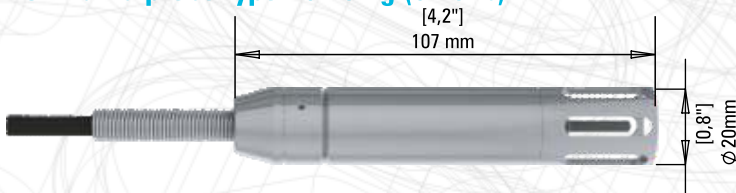
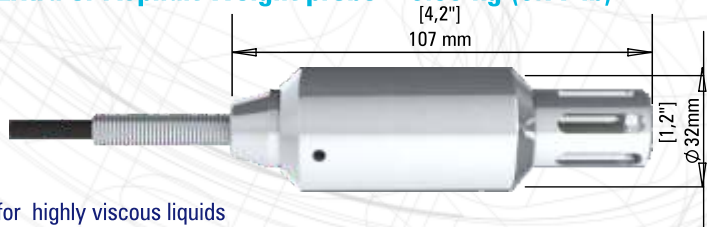
Material	Antistatic Polyamide base
Power supply	NiMH 3.6V-2500 mAh rechargeable battery
Operating time without charging	Appr. 40 hours

Dimensions:

Controller	180 x 80 x 40 mm (7.1 x 3.2 x 1.6")
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	Backlighted LCD display (2x16) Local memory up to 3000 results
Data Transfer	Built-in Bluetooth

Standard probe type - 0.13 kg (0.28 lb)**Extra or Asphalt Weight probe - 0.35 kg (0.77 lb)***

* for highly viscous liquids

Advantages

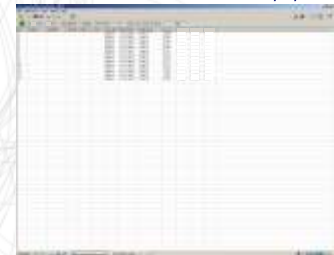
- Multi-parameters save :
 - temperature
 - depth
 - date
 - time
- Fast measurements without sampling
- Economical and easy to operate
- Cable 4-cores technology
- Crash-proof design
- Temperature Profile

Applications

- Recommended Operation: API 7, Intl. Safety Guide For Oil Tankers and Terminals
- Gasoline fuel
- Diesel fuel
- Crude oils
- Lubricants etc.
- Custody Transfers
- Inventory Tank

*** 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.*

**Cable replacement without recalibration**

PET-250.2 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)*

For more information please visit www.lemis-usa.com



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