

Magnetic Surface Temperature Kit

for PosiTector *DPM* Dew Point Meters



Fig.1 PosiTector *DPM*

(shown with magnetic surface temperature probe and rubber holster)

The ***Magnetic Surface Temperature Kit*** allows the instrument and surface temperature probe to be conveniently attached onto steel structures for hands-free recording. Ideal for unattended data logging during the work shift and overnight.

Kit Contents:

- Separate probe lower unit with built-in air temperature/ humidity sensor and a K-type thermocouple connector that accepts the magnetic surface temperature probe
- Magnetic surface temperature probe with armored cable and red locking device to prevent accidental disconnection from the instrument during unattended operation
- Rubber holster with magnetic clip to attach the instrument body onto steel structures
- PosiSoft Software and USB cable
- Durable, hard shell carrying case
- Certificate of Calibration

The PosiTector *DPM* (purchased separately) consists of 3 components: (1) an instrument body, (2) an integral probe lower unit, and (3) a rubber holster with belt clip and wrist strap.

To use other surface temperature probes, the integral probe lower unit must be replaced with the separate probe lower unit supplied in this kit.

The separate probe lower unit accepts any K-type thermocouple probe including the magnetic surface temperature probe supplied in this kit.

Installing the Magnetic Surface Temperature Probe and lower unit

1. Disconnect the existing integral probe lower unit from the instrument body by sliding it to the left (see Fig.2). Arrows mark the direction of disassembly.
2. Replace it with the separate probe lower unit by reversing the above step.
3. Return the assembled instrument into the supplied rubber holster. This holster has a magnetic clip for mounting the instrument onto a steel surface.
4. For safekeeping, store the integral probe lower unit in the space provided in lower left corner of the carry case.



*Interchangeable
separate probe
lower unit*

*Magnetic surface
temperature probe*

Fig.2

The lower unit included in this kit accepts other optional K-type thermocouple probes including:

- Hand-held Surface Temperature Probe* – for spot checking hard-to-reach surfaces
- Self-adhering Surface Temperature Probe* – sticks to solid materials (aluminum, wood, concrete, etc.)
- Liquid Temperature Probe* – general purpose probe with stainless steel shaft



Warning: The *Magnetic Surface Temperature Probe Kit* contains 2 very powerful magnets to ensure that the instrument and sensor remain in place when attached to a steel surface. As with all magnets, avoid contact with electronic instruments or devices sensitive to magnetic fields such as pace makers and coating thickness gages. Care should also be given to the storing and shipping of any strong magnet to prevent contact with sensitive devices.