Humidity-Temperature Meteorological Probe

MP101A

- High accuracy over the full range of humidity and temperature
- Temperature operating range: -40..+60°C (-40..+140°F)
- 0..100 % RH humidity measuring range
- Durable, stable sensors with low maintenance requirements
- Advanced humidity sensor with exceptional resistance to contaminants
- Special compensation permits up to 330ft (100m) cable length
- Low power consumption, no warm-up time
- Linear voltage outputs
- Available with a natural or a motor aspirated shield
General Information

The MP101A is a combined humidity and temperature probe designed primarily for outdoor applications. Operation from a DC voltage and low power consumption make the MP101A particularly suitable for operation at remote locations. Energizing of the probe is required for only 0.25 seconds during each measurement. The linear output signals are consistent with the requirements of most data acquisition systems.

Use of the HYGROMER C94 humidity sensor results in exceptional resistance to contaminants. Advanced filter technology provides further protection. The MP101A can be used over long periods of time without any maintenance or recalibration.

The MP101A is available in two basic configurations:
- MP101A-C4/5 with 2 meters hard wired cable terminated by a connector (4 or 5-pin).
- MP101A-T7 with a 7-pin connector directly on the probe.

The probe MP101A-C4 is supplied with a 4-pin CANNON connector and is fully interchangeable with the previous probes of the MP100 series. When the application requires a total length of cable in excess of 6.5ft (2meters), either the probe MP101A-C5 or the probe MP101A-T7 should be used. Both probes feature a compensation that eliminates potential errors resulting from cable resistance for lengths up to 330ft (100meters).