

# Dewtran® -SL Series

## Chilled Mirror Hygrometer



### FEATURES

- Precision Accuracy
- 2 alarms (SPDT)
- Two 4-20mA outputs (configurable)
- RS232 programmable
- Self-Aspirating Fan
- Can measure barometric pressure (wall mount only)
- ARC Cycle (balancing the optical signal of sensor)



### APPLICATIONS

- HVAC
- CLEAN ROOMS
- ENVIRONMENTAL CHAMBERS
- PHARMACEUTICAL
- INDUSTRIAL PROCESSES
- GLOVEBOX APPLICATIONS
- SEMICONDUCTOR
- DATA STORAGE
- HOSPITALS
- MUSEUMS

## The DewTran® -SL Series

The DewTran® -SL Series (patent pending) is a precision remote dew point chilled mirror transmitter that provides a reliable and accurate measurement of dew point from -10C to 85C. The unit offers an air temperature option giving you 2 additional measuring parameters (Dew point, RH and Temperature). The unit offers stable, accurate and repeatable measurements that are traceable to NIST

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### Technical Information

Measurement Ranges	Dew Point -10C to 85C Air Temperature -10C to 90C RH 0- 95% (non-condensing)
Repeatability	+/- 0.05°C
Resolution	0.01 %
Output	RS232 programmable Power/signal connection: M12 connector with 6ft cable (included)
Supply Voltage	24Vdc +/-3V @ 1.5A
Analog Output scaled range Dew Point (4-20mA) User Selectable	(2) 4-20mA -0-10 Vdc (configurable) Factory set-both outputs, -10C to 90C (unless specified on order)
Operating Temperature	-25 °C to +95 °C (Remote units) -20 °C to +60 °C (Wall mount units)
Weight	< 5lbs.
Air Velocity	300 LFPM
Dimensions	Enclosure Dim: 6" L (152.4mm) * 5" W (127mm) * 2.5" H (63.5mm) Probe Dim: 9" L (228.6mm)* 1.125" Dia (28.6mm)
Accuracy	Dew point +/-0.3C Air Temperature +/-0.3C RH +/-2% (0-80%), +/-3% (>80% to 95%) BP +/-3mb

**Ordering Table (More configurations available upon request)**

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**Model**                      **Types:**

**DewTran®-SL; Dewtran®-SL-T**

**Note: DewTran®-SL models have a cable between the controller and the sensor. And no display**

**Options:**

- T                      Temperature probe with a standard 10ft cable**
- DT-Dis            Display option -IP65 enclosure with display-replaces SL electronics**

<b>Ordering Options</b>
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<b>DT-SL-T</b>	DewTran® SL-T remote unit with air temperature
<b>DT-SL</b>	DewTran® SL
<b>DT-SL-DIS</b>	Display option -IP65 enclosure with display-replaces SL electronics
<b>DT-SL-DIS-T</b>	Display option -IP65 enclosure with display-replaces SL electronics with air temperature