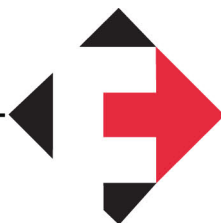




This table presents a comparison of the features of Zydax Sensors. Contact Zydax or one of its distributors with any comments or questions.

<b>Data Reported</b>	<b>Zydax Temperature Sensor (ZTS) (a stand alone sensor)</b>	<b>Dual Temperature Wet/ Dry (T2WD)</b>	<b>Zydax Active Passive Surface Sensor (ZAPSS)</b>	<b>Zydax Snow Fighter Sensor</b>	<b>Zydax Integrated Passive Sensor (ZIPS)</b>
Air Temperature - Humidity	Yes <sup>2</sup>	Yes <sup>5</sup>	Yes <sup>5</sup>	No <sup>7</sup>	No <sup>17</sup>
Air Temperature Only	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes <sup>19</sup>	Yes <sup>19</sup>
Automated Alarming	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>20</sup>	Possibly <sup>21</sup>
Calibration Required	No <sup>4</sup>	No	No <sup>7</sup>	No	No
Chemical Wet Condition	No	Yes <sup>9</sup>	Yes <sup>9,10</sup>	Yes <sup>9</sup>	Yes <sup>9,22</sup>
Depth of Moisture	No	No	Yes <sup>8</sup>	No	Yes
Dew Point	Yes <sup>2</sup>	Yes <sup>2,11</sup>	Yes <sup>2,11</sup>	No <sup>23</sup>	No <sup>18,21</sup>
Dry - Wet Conditions	No	Yes	Yes	Yes	Yes
External Modem Option	Yes	Yes	Yes	Yes	No <sup>24</sup>
Freeze Point of Moisture	No	No	Yes	No	Yes <sup>22</sup>



## **M. S. Foster & Associates, Inc.**

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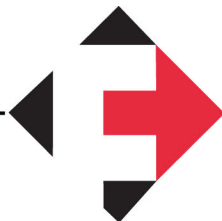
Ice or Ice Potential	No	Yes <sup>9</sup>	Yes <sup>9, 10</sup>	Yes <sup>9</sup>	Yes <sup>9, 22</sup>
Internal Modem	No	Yes <sup>16</sup>	Yes <sup>16</sup>	Yes <sup>16</sup>	No <sup>24</sup>
Master Sensor Ability	No	Yes	Yes	No	No
Pavement Temperature	Possible <sup>3</sup>	Yes <sup>12</sup>	Yes <sup>12</sup>	Yes <sup>25</sup>	Yes <sup>12</sup>
RS-232 Communications ability	Yes <sup>13</sup>	Yes <sup>14</sup>	Yes <sup>14</sup>	Yes <sup>14</sup>	No <sup>24</sup>
RS-485 Communications Ability	Yes	Yes	Yes	Yes	Yes
Slave Sensor Ability	Yes	Yes	Yes	Yes	Yes <sup>26</sup>
Stand Alone Ability	Yes	Yes	Yes	Yes	No <sup>24,26</sup>
Sub-Surface Temperature	Possible <sup>3</sup>	Yes <sup>17</sup>	Yes <sup>17</sup>	Yes <sup>25</sup>	Yes <sup>25</sup>
Surface Temperature	No	Yes	Yes	Yes	Yes
Wet - Dry Conditions	No	Yes	Yes	Yes	Yes

1. Requires Enhanced Zydax Data Collection Program (EZDCP).
2. Requires Humidity Option and software (ZDCP) to calculate Dew Point.
3. This waterproof and rugged sensor can be installed into most any environment including pavement and water.
4. Can be recalibrated for laboratory use. Not necessary except to meet laboratory certification requirements. Complete details are in the Users Guide.
5. Requires an Air Temperature/Humidity kit. Standard with the T2WD and the ZAPSS.
6. Air Temperature only is available as a special order.
7. Possesses Algorithms providing automatic calibration each time data is collected.
8. Measures up to .125 inches (3 mm) in depth of moisture only.
9. Reports chemical wet when surface is wet at surface temperatures below the freeze point of water.
10. The ZAPSS reports the freeze point of the moisture present and the presence of ice or ice crystals.
11. Requires any version of the ZDCP
12. Normal reporting depth is 1.75 inches (4.4 cm) below the pavement surface. Multiple depths and locations can be obtained by adding additional DDTs to a single "Master" sensor and/or to "Slave" sensors report to the "Master" Sensor.

Distances of up to 4000 feet (1219 Meters) are standard. Additional distances are available.

13. Requires an adapter
14. External modem option can be configured for RS-232 communications.
15. Used attached to T2WD or ZAPSS only
16. Standard Configuration. External modem interface optional and special order.
17. Drop Down Temperature sensors come standard with 5 feet of cable and are suitable for installation into the pavement or below for subsurface temperature monitoring. Additional DDTs may be added to a "Master" sensor and/or to "Slave" sensors report to the "Master" Sensor. Distances of up to 4000 feet (1219 Meters) are standard. Additional distances are available.
18. Air temperate and/or humidity can be received by adding the Zydax Air temperature kit, connected to the RPU (Remote Processing Unit).
19. Option.
20. Standard with Snow Fighter Sensor software.
21. This will depend on the software being used to read the data and its ability.
22. Freeze point is determined by passive technology only.
23. Not available. Must upgrade to a T2WD or a ZAPSS to get.
24. Communications is established through and RPU
25. A Drop Down can be added and used to provide sub-surface pavement or other temperatures.
26. The inherent intelligence of a Zydax system can duplicate the abilities of an RPU.

**Zydax sensors NEVER require maintenance or calibration!**



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