In the Discovery DSC, the pedestal-mounted transducer features a patented* Diffusion-Bonded thermocouple which creates a continuous thermosensitive surface. The result is dramatically improved sensitivity and precision of the temperature and heat flow measurement with a very short time constant for excellent signal resolution. Precise atmospheric control and monitoring is ensured with the innovative new Gas-Delivery Module.

**Baseline Performance**

In any instrument, performance starts with the baseline. The Discovery DSC delivers a baseline unmatched in linearity, accuracy and repeatability. This baseline provides the foundation for accurate, repeatable heat flow and heat capacity measurements. The superior baseline linearity combined with the low noise-level inherent in the Diffusion-Bonded transducer provides for the highest sensitivity available on the market today.

**Precision/Accuracy**

Scientists know that an instrument's performance and accuracy are only as good as its repeatability. TA Instruments recognizes this need for accurate, precise data and has engineered into the Discovery DSC patented and proprietary technology which provides unmatched precision in both temperature and enthalpy measurement. The Discovery DSC provides the right answer, every time, under the widest range of experimental conditions.