Several years ago we described a thermopile heat leakage micro-calorimeter. The instrument was designed for batch operation but subsequently a flow version was built. Various applications have called for modifications of the designs and several different instruments have been built. The calorimeters are designed to form a modular system.

The instruments are currently used for a wide range of applications, primarily in biochemistry and biology and include thermo-dynamic as well as general analytical experiments.

The design and the function of the different calorimeters will be briefly described and their use will be illustrated by communications of recent results from our bio-thermodynamic work (proteins, model compounds) and from the use of some of the instruments as general analytical tools in studies on biological systems such as blood cells and microorganisms.