

ABSTRACT**ICE THERMAL STORAGE CONTROL**

An arrangement of apparatus for the measurement of the quantity amount of ice in an ice thermal storage system having a storage tank (12) with a storage fluid and a cooling coil assembly (16) therein, and a method for measuring such ice quantity, which apparatus includes a means to provide an uplift force to the coil assembly and, means (130) for measurement of the vertical displacement of the coil in the storage tank and means for relating the vertical displacement of the cooling coil assembly to the quantity of ice on the cooling coil assembly, and further noting a specific uplifting force assembly for use in such storage tanks.

[Fig. 1]