ABSTRACT

COUPLING POINT TEMPERATURE AND CURRENT MEASURING SYSTEM

A system for measuring temperature and current at coupling points in an electric distribution network. A monitor device is connected to a series of measuring devices using radio waves. The monitor device sequentially interrogates measuring devices to determine the temperature and current of each one. The measuring devices include a core surrounding the conductor which provides power by induction to each measuring device and also provides a measure of the current. A temperature sensor connected to the core provides the temperature measurement. (Fig. 1)