

ABSTRACT

WIRELESS SENSOR

- 5 A temperature sensor device (5) measures a temperature related to a transport cart system and wirelessly transmits the measured temperature. In the transport cart system a transport cart obtains electric power from the power supply line (31) in a non-contact manner. The temperature sensor device (5) includes an E-shaped core, a sensor body (51), and a temperature sensing substrate (52). The E-shaped core obtains electric power from the power supply line (31) in a non-contact manner.
- 10 The sensor body (51) operates by electric power supplied by the E-shaped core and measures the temperature in the vicinity of the terminal block of the transport cart system. The temperature sensing substrate (52) operates by electric power supplied by the E-shaped core and wirelessly transmits the temperature measured by the sensor body (51).