

## **Abstract of the Disclosure**

A length measuring device and a length measuring system are provided, in which the length measuring device includes a casing, a first rotating portion accommodated in the casing, and rotated with a portion of a circumference thereof being exposed out of the casing and in contact with an object to be measured, a first sensing portion which senses an amount of rotation of the first rotating portion, and a controller which converts the amount of rotation of the first rotating portion into length measurement. Additionally, the length measuring device may further include a second rotating portion coiled with a strip by a plurality of times, and rotated according to the strip being withdrawn or retracted through an outlet formed in the casing, and a second sensing portion which senses an amount of rotation of the second rotating portion, in which the controller may convert the amount of rotation of the second rotating portion into length measurement.