

ABSTRACT

A rail position measurement device that measures a three-dimensional position of a rail using a measurement vehicle includes: a position posture measurement device 42 to measure a position and a posture of the measurement vehicle; and a laser scanner 16 that is a sensor installed on the measurement vehicle so as to be capable of irradiating at least a web and a bottom of a side surface of the rail with laser light and used for measuring the three-dimensional position of the rail.