

FLANGE-TO-FLANGE GAP MEASURING DEVICE, PROGRAM, AND METHOD

ABSTRACT

5

A flange-to-flange gap measuring device measuring a gap between flanges tightened by a plurality of bolts and nuts with a gasket interposed between the flanges includes a light irradiation unit (20) that emits thin light to generate thin light images on the flanges, the gap between the flanges being interposed between the thin light images, an imaging unit (16) that acquires an image including the thin light images, and a measurement unit (24) that extracts thin light image data and flange edge data from the image and measures the gap or a gap difference between the flanges. Consequently, positioning of a measurement position with respect to peripheral surfaces of flanges and measurement between the flanges are facilitated, and measurement accuracy is increased.

20

FIG. 1