

**LASER DISTANCE MEASUREMENT METHOD AND LASER DISTANCE
MEASUREMENT DEVICE**

ABSTRACT

5 A laser distance measurement method is provided in
which a laser light L is irradiated while scanning in a
horizontal direction and in a vertical direction of a
monitoring range S, reflected light R of the laser light L
is received and received light information d6 is obtained,
10 and distance information d7 of a target object M in the
monitoring range S is calculated from the received light
information d6, in which, if a plurality of pieces of the
reflected light R1 to Rn are received from the same laser
light L and if the number of pieces of the reflected light
15 R1 to Rn is less than a reference value N, the reflected
light R received last is considered to be the reflected
light R from the target object M and the distance
information d7 is calculated, while if the number of pieces
of the reflected light R1 to Rn is not less than the
20 reference value N, the reflected light R received at the N-
th time is considered to be the reflected light R from the
target object M, and the distance information d7 is
calculated.

25 [Figure 6]