

DEVICE FOR MEASURING STEP BRAKING DISTANCE OF PASSENGER
CONVEYOR AND METHOD THEREFOR

ABSTRACT

The step braking distance measuring device 100 has: a measuring section 120 that is disposed at a base point O at a higher location than steps 30, measures a first angle θ_1 defined by a first line S1 and a perpendicular line R from the base point O, and measures a second angle θ_2 defined by the perpendicular line R and a second line S2, the first line S1 connecting the base point O and a first position P1 of a reflector 304 of a reference step 30 at the time when a stop signal is output, and the second line S2 connecting the base point O and a second position P2 of the reflector 304 of the stopped reference step 30; and an arithmetic section 118 that calculates a braking distance L of the reference step 30 from the first angle θ_1 , the second angle θ_2 , and a length h of the perpendicular line R from the base point O to a height at which the reference step 30 exists.

Selected drawing: FIG. 3