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(57) Abstract :

The present invention relates to a wheeled measuring device comprising a rodo meter 1 utilized for measuring distances, a main wheel 2 along with omni-directional auxiliary wheels 3 for providing stability, an image capturing module 4 for determining conditions of surface, a microcontroller determines the surface irregularity, pothole, a displacement sensor 5 get activated for determining the distance in between surface and pothole, an extendable casing 6 to encase main wheel 2 while moving through irregularities/potholes to safeguard main wheel 2, a telescopic marker 8 connected through a ball and socket joint to produce markings on surface based on specific distanced and a processing unit fetches travelled distance from microcontroller and displays travelled distance on a display unit 7 to aware operator regarding measured distance of surface traveled by rodo meter 1.

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