

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3773/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :18/11/2015

(43) Publication Date : 22/12/2017

(54) Title of the invention : IMPROVED LIGHT SPOT GALVANOMETER

(51) International classification	:G01R31/34
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(57) Abstract :

Light spot galvanometer, also called ~mirror galvanometer is an electromechanical instrument used to detect or sense very small currents flowing through a conductor. The existing galvanometer suffers from the limitation of dislocation of parts during transport and cumbersome reading due to difficulty in stabilizing the light spot. The present invention discloses an improved light spot galvanometer in which the angular movement of the coil is converted to linear displacement and hence to electric voltage using a LVDT (Linear variable differential transformer). The output of the LVDT is then fed to the ADC (Analog-to-digital converter). The digital signal is measured and the value displayed on a LCD display panel. The improved galvanometer is easy to transport and easy to read, thus overcoming problems of prior art instrument.

No. of Pages : 8 No. of Claims : 3