

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7181/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/08/2013

(43) Publication Date : 23/01/2015

(54) Title of the invention : DETERMINING DELAY TIMES FOR ULTRASONIC FLOW METERS

(51) International classification	:G01F25/00,G01F1/66	(71) Name of Applicant :
(31) Priority Document No	:13/025223	1)DANIEL MEASUREMENT AND CONTROL INC.
(32) Priority Date	:11/02/2011	Address of Applicant :11100 Brittmoore Park Drive Houston
(33) Name of priority country	:U.S.A.	Texas 77041 U.S.A.
(86) International Application No	:PCT/US2012/021825	(72) Name of Inventor :
Filing Date	:19/01/2012	1)STRAUB Henry C.
(87) International Publication No	:WO 2012/108992	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system and method for calibrating an ultrasonic flow meter. In one embodiment a method includes disposing a fluid circulating device within a flow meter. Fluid is circulated in the flow meter by operation of the fluid circulating device. An acoustic signal transit time within the flow meter is measured during the circulating. Based on the measuring a portion of the acoustic signal transit time caused by latency induced by components of the flow meter is determined.

No. of Pages : 27 No. of Claims : 23