

1. Calibration of 800 mm Ultrasonic Flow meter & 2000 mm EMF at LWFL
2. Dynamic Response Testing of Ultrasonic Flow meter
3. Model Approval Test
4. Test Dynamic Response Testing of Pulse Valve

## 1. Calibration of 800 mm Ultrasonic Flow meter & 2000 mm EMF at LWFL

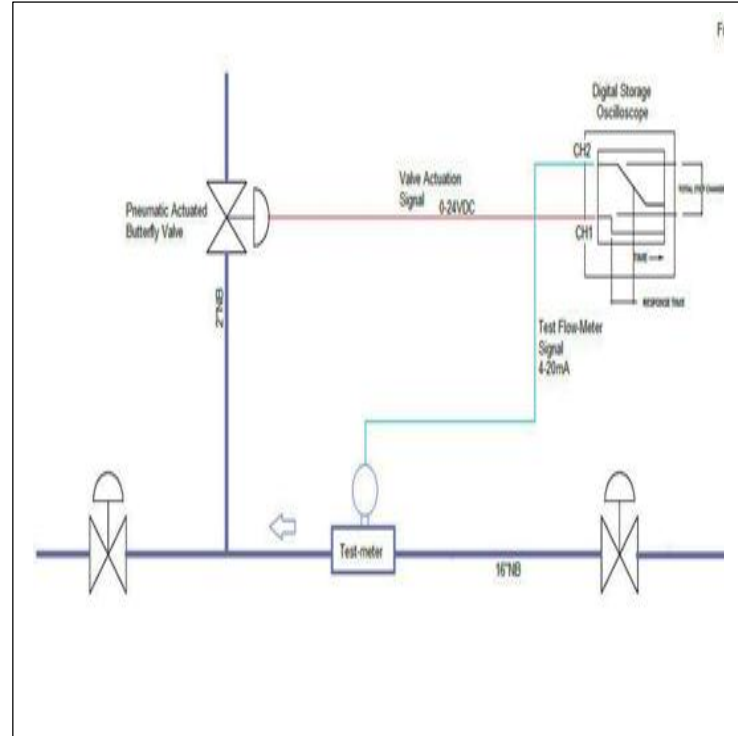
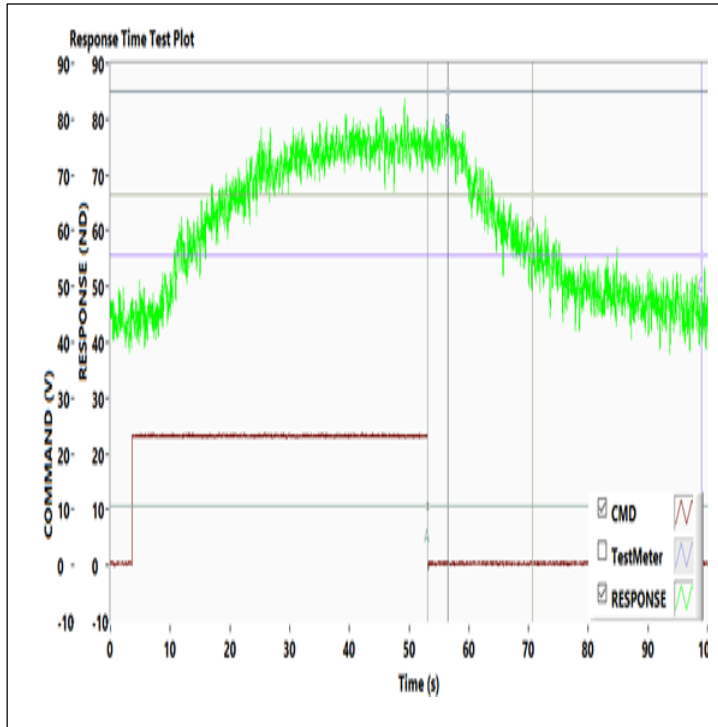
The Calibration of 800 mm Ultrasonic Flow meter and Calibration of 2000 mm Electro Magnetic Flow meter(EMF) were completed at Large Water Flow Laboratory of FCRI



Calibration of 2000mm Electro Magnetic Flow meter (EMF) & 800mm Ultrasonic Flow meter

## 2. Dynamic Response Testing of Ultrasonic Flow meter

One number of Ultrasonic flow meter of size 450MM was evaluated for its response to change in flow. The test was performed for flow measurement in water media. The flow meter's dead-time, rise-time and fall-times were reported for the series of tests conducted on the Unit. The effect of low-flow cut-off on the response was also determined and reported.



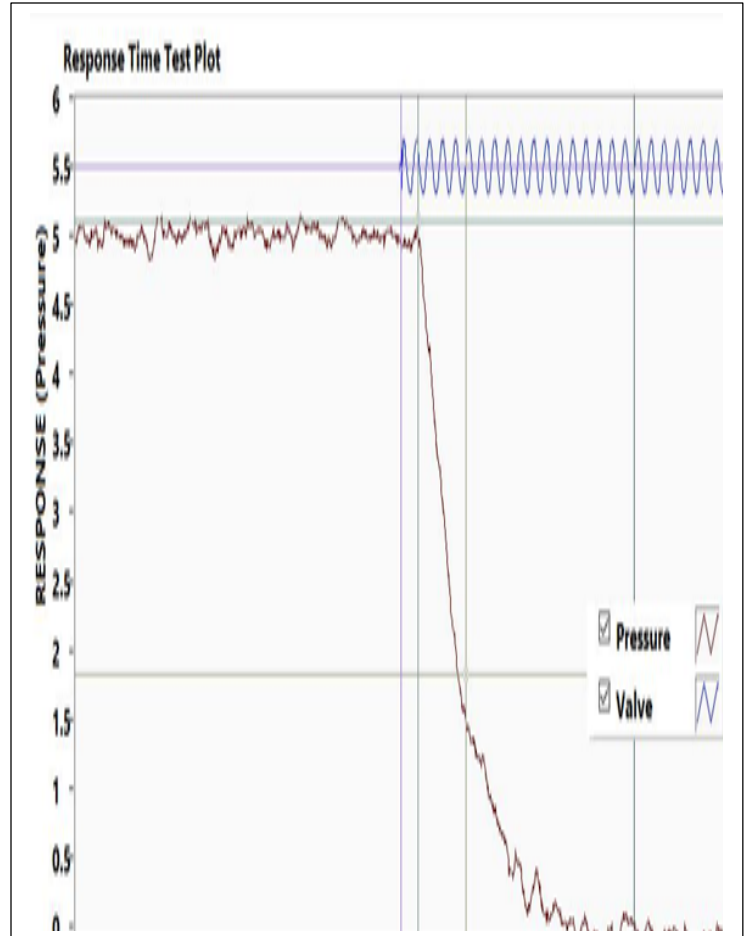
## 3. Model Approval Test

Mass flow meters of sizes DN50, DN80, DN100, and DN150, were tested at Fluid Control Research Institute as part of MODEL APPROVAL under the Legal Metrology Rules 2011. The test was conducted at FCRI for The Director, Legal metrology, Ministry of consumer Affairs, Food and public distribution, Department consumer affairs (Weights and Measures unit), Krishibhavan, New Delhi-110 001 as part of model approval. The test program was carried out at FCRI as per the general guidelines laid in OIML R 117 - "Dynamic measuring systems for liquids other than water". The model was submitted by M/s. AEGIS LOGISTICS LTD, 1202, Tower B, Peninsula Business Park, G.K.Marg, Lower Parel (W), Mumbai 400013.



## 4. Dynamic Response Testing of Pulse Valve

One number of 1" NB size Pneumatic pulse valve was tested for its response to actuation signal. The test was performed in compressed air at pressure of about 5 bar (absolute). The dead-time, rise-time and fall-times were reported for the Pulse Valve tested. The Pulse valve under test had an AC operated solenoid.



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