TRAINING PROGRAMMES FOR THE YEAR 2026-27

SERIES: 271	RECENT TRENDS IN FLOW MEASUREMENT TECHNOLOGY	DURATION: 2 DAYS DATES: 04-05 JAN' 2027
Description	This training provides an introductory overview of liquid flow calibration and flow measurement. It covers the fundamental principles and practices of liquid flow calibration, established calibration methods (gravimetric, volumetric, master meter, and meter prover), the main types of flow meters and related standards for measurement in circular conduits (differential pressure, electromagnetic, ultrasonic, and Coriolis mass flow meters), uncertainty estimation per ISO/NABL norms, model approval testing of flow metering systems per OIML R117, flow measurement techniques in large ducts, and water meter testing. It gives participants a general awareness of how calibration methods, meter technologies, and uncertainty assessment connect within the liquid flow measurement chain.	
Coverage	Fundamental principles and practices of liquid flow Calibration; Established methods of Calibration: Gravimetric, Volumetric, Master meter, Meter Prover etc. Types of Flow meters and Standards for flow measurement in circular conduits: Differential Pressure flowmeters, Electromagnetic flowmeters, Ultrasonic Flow meters, Coriolis mass-flowmeters, etc. Uncertainty estimation as per ISO / NABL Norms, Model approval testing of flow metering system as per OIML R117. Flow measurement techniques in large ducts. Testing of Water meters	
Key Learning Benefits	Participants gain a general understanding of how liquid flow calibration is performed and why different calibration methods suit different applications. They become familiar with the operating principles of common flow meter types, the role of standards in circular conduit measurement, the basics of uncertainty estimation and OIML R117 model approval, and the special considerations for large duct measurement and water meter testing.	
Learning Outcomes	On completion, participants will be able to: • Describe the fundamental principles of liquid flow calibration and the main calibration methods (gravimetric, volumetric, master meter, meter prover). • Identify the operating principles and typical applications of differential pressure, electromagnetic, ultrasonic, and Coriolis mass flow meters. • Recognize the relevant standards for flow measurement in circular conduits. • Explain the basic approach to uncertainty estimation per ISO/NABL norms. • Describe the purpose of model approval testing per OIML R117 and the basics of water meter testing.	
Programme Achievements	Participants will have a general awareness of the liquid flow calibration and measurement chain and be able to recognize common sources of measurement uncertainty. They will understand why traceable calibration, standards compliance, and documented uncertainty matter for regulatory and commercial purposes, and be prepared to escalate detailed technical analysis to specialists where required.	
Target Group	Designed specifically for Technical personnel involved in and experienced in fields related to Water Supply Industries, Personnel responsible for Design/Maintenance of Water Supply System, Consultants, Flow meter Manufacturers/ Suppliers, Hydel Power Plants, Water Resources Management Departments, Water Treatment Plant Engineers. etc.	
Course Fees	Rs. 15000/- (Rupees Fifteen Thousand Only) **excl. GST**	
Resource Person	Mr. K Suresh, Chief Research Engineer, FCRI	

Course Registration and Payment Confirmation Form

(Advance Payment Mandatory)

For Course Certificate

Name of Participant: Dr. / Mr. / Ms. ……

Designation: …… Qualification……

Organization: ……

Postal Address: ……

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Tel: …… ……Mob: ……

E – Mail (Mandatory):

1…… 2……

*** Remittance particulars (To be filled and forwarded immediately after payment).**

i. **Program Serial Number of Course: ……**

ii. **Organization Name: ……**

iii. **Organization GSTIN No (Mandatory if GST Registered): ……**

iv. **Remittance Details: Screenshots / Unique Transaction Reference number**

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Bank Account for E - Payment

Training Course Fee to be paid by e – payment (RTGS/NEFT/IMPS)
Favoring
Fluid Control Research Institute, Palakkad - 678623
Current Account No: 10258760349. IFSC Code: SBIN0006640.
State Bank of India (SME Branch/ Code: 06640) Kanjikode West, Palakkad–678 623
GSTIN: 32AAAAF0138K1Z6 / PAN: AAAAF0138K / Swift Code: SBININBB397/ MICR 678002007
Email: training@fcriindia.com/trainingfcri@gmail.com

Please mention Program Series number and Abbreviated Organization name while making payment through NEFT / RTGS / IMPS.

Terms & Conditions

i. **All participants must remit course fees in advance.**
ii. **Receipt/Invoice, Certificate of Participation and PDFs of PPT will be issued after the course.**
iii. **E Mail - Receipt of both Remittance Proof and Registration form will confirm participation for the course and no further communication is normally required.**
iv. **In the event of cancellation / rescheduling of courses, the advance will be either refunded or adjusted**