

lab manual of venturi pdf

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FLUID MECHANICS LABORATORY MANUAL ... Lab Incharge H.O.D. CIVIL . JNEC CIVIL/FM-I/AUG 2010
Page 2 FLUID MECHANICS -I EXPERIMENTS SUBJECT: - Fluid Mechanics-I CLASS: - Second Year Civil Engineering ... Venturi Meter 2) Orifice Meter 3) Pilot Tube . JNEC CIVIL/FM -I/AUG 2010

fluid Mechanics I - Jawaharlal Nehru Engineering College

VENTURI METER TEST SETUP INFORMATION Venturi meter test setup composed of two main parts, which are Venturi meter apparatus and volumetric hydraulic bench. Detailed information about these components is given in this chapter.

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LABORATORY MANUAL FLUID MECHANICS ME-214 E . 2 LIST OF THE EXPERIMENT PAGE NO S. NO. NAME OF THE EXPERIMENT FROM TO 1. To determine the coefficient of impact for vanes. 2. To determine the coefficient of discharge of an Orifice Meter. 3.

LABORATORY MANUAL - Visakhapatnam

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manual and giving valuable comments to improve this manual. This Lab manual was prepared with the help of "Fluid Mechanics with Engineering Applications" by R.L.

CE272 Fluid Mechanics Sessional (Lab Manual)

be longer pipe connecting the venturi-meter and the orifice plate or the Reynolds number should be increased. In the next section the uncertainty in measured quantities is presented. 3.1 Uncertainty Analysis Uncertainty analysis is performed based on two readings of the pressure difference at 10 L/min flow-rate. The values are listed in Table 2.

EXPERIMENT NO. 4 CALIBRATION OF AN ORIFICE PLATE FLOWMETER

Statesville, NC Results of ASHRAE 110 Laboratory Fume Hood Performance Evaluations Venturi Hood January, 2017 Prepared By: Exposure Control Technologies Inc. 231-C East Johnson Street Cary, NC 27513

Statesville, NC Results of ASHRAE 110 Laboratory Fume

FM 308 - Flow Measurement by Venturi and Orifice meter Objectives: 1. To find the coefficient of discharge for venturi meter. 2. To find the coefficient of discharge for orifice meter. Theory: Venturi meter and orifice meter are the commonly used flow meters for measuring mass/volumetric flow rate or velocity of the flowing fluid.

FM 308 - Flow Measurement by Venturi and Orifice meter

5 Experiment No. 2 Aim:-To determine the coefficient of discharge of Orifice meter.Apparatus Used:-Orifice meter, installed on different pipes, arrangement of varying flow rate, U- tube manometer, collecting tube tank, vernier calliper tube etc. Formula Used: - Where A = Cross section area of inlet

Index S. Notch (V and Rectangular types)

This lab manual is intended to guide you through ï→ve experiments to be performed in the Salt River Project Hydraulics Laboratory. Because of the nature of the course and the lab facilities, you will be required to perform some labs on material not yet covered in class.

CEE 341 Fluid Mechanics for Civil Engineers Lab Manual

Figure 1 shows an exploded view of a typical wood item of laboratory equipment. Figure 2 is the assembled view of the same wood item. Figure 3 shows an exploded view of a typical steel item of laboratory equipment. Figure 4 is the assembled view of the same steel item.

INSTALLATION INSTRUCTIONS - Kewaunee

MAHATMA GANDHI MISSIONâ€™S JAWAHARLAL NEHRU ENGINEERING COLLEGE, AURANGABAD. (M.S.) DEPARTMENT OF CIVIL ENGINEERING FLUID MECHANICS LAB MANUAL ... II Determination of co-efficient of discharge for venturi-flume /standing wave flume 6 8

MAHATMA GANDHI MISSIONâ€™S - Jawaharlal Nehru Engineering

1.3.2 PRE-LAB QUESTIONS 1.3.2.1 Write continuity equation for incompressible flow? 1.3.2.2 What is meant by flow rate? 1.3.2.3 What is the use of orifice meter? 1.3.2.4 What is the energy equation used in orifice meter? 1.3.2.5 List out the various energy involved in pipe flow.

EXPERIMENT No.1 FLOW MEASUREMENT BY ORIFICEMETER 1.1 AIM

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