



FACTORY CALIBRATION EXAMPLE OF ENTEGRIS FLOWMETERS

Introduction

Entegris flowmeter products are assembled and tested under Class 100 conditions and calibrated using ultra pure deionized water. After calibration, all products are 100% tested and verified.

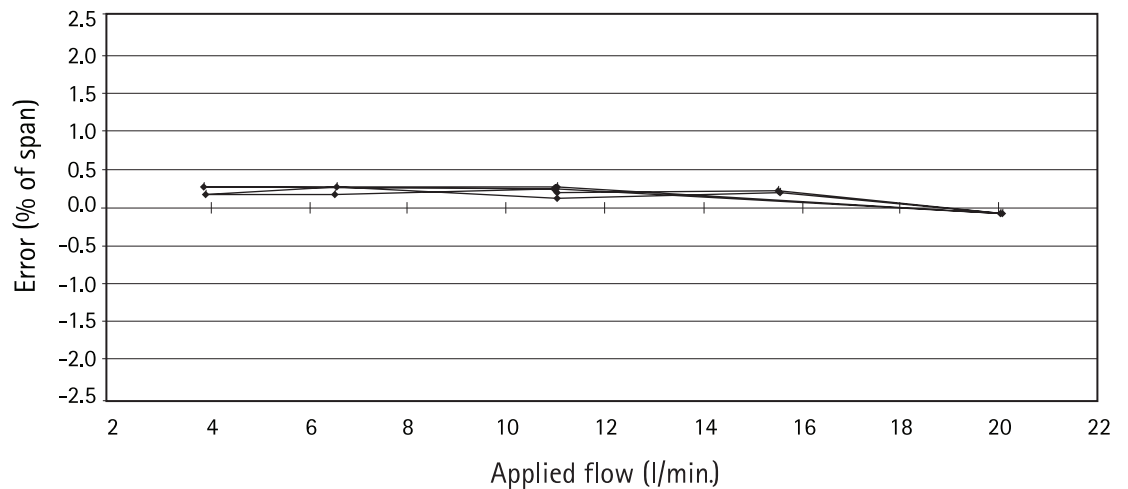
This technical report illustrates the typical verification test data collected during the calibration of a flowmeter.

Example Calibration Data

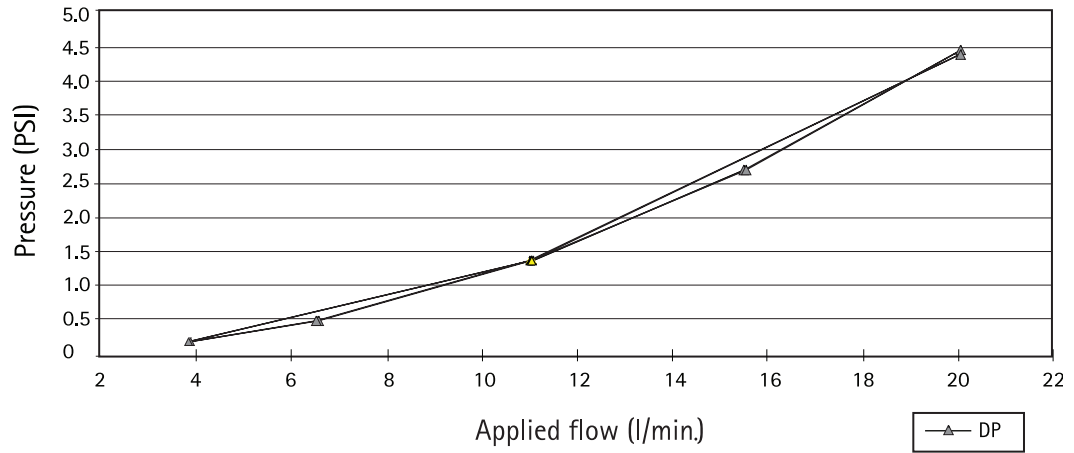
Verification of flowmeter flow accuracy data from flowmeter S/N 5099, manufactured 4/24/00.

Flow range:	4-20 l/min.
Accuracy spec:	±1% FS
Repeatability spec.:	±0.5% FS
Flow accuracy (as tested):	0.287% FS
Flow repeatability (as tested):	0.157% FS
Max DP (as tested):	4.456 PSI
Pressure range:	0 to 60 PSIG (0 to 414 kPa)
Accuracy spec:	±1% FS
Repeatability spec.:	±0.5% FS
Pres. accuracy (as tested):	0.081% FS (Inlet) 0.085% FS (Outlet)
Pres. repeatability (as tested):	0.029% FS (Inlet) 0.025% FS (Outlet)

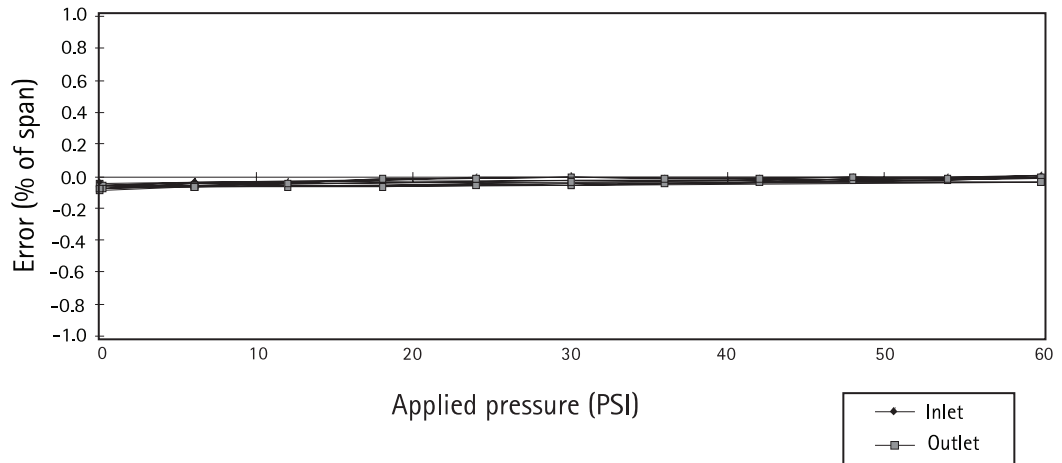
Verify of Flow Accuracy



Verify of Pressure Drop vs. Flow



Verify of Inlet and Outlet Pressure Sensors



Entegris designs and manufactures measurement instruments for the high purity and corrosive chemical environments of the semiconductor industry. Our products measure flow, pressure and level for the various acids, caustics, solvents and slurries used in the industry.

For More Information

For more information on measurement instrumentation systems or our complete line of fluoropolymer fluid handling solutions, contact your local Entegris distributor or Entegris, Inc.

To review our complete line of sensing and control product solutions visit Entegris' Web site at www.entegrisfluidhandling.com or contact Entegris Customer Service.

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