

## MERCURY BAROMETER

### INTRODUCTION

**FITZER Barometer** to measure atmospheric pressure which is often required in laboratory experiments and for more accurate measurement of the barometric height. This sealed tube mercury column barometer includes standard Range 580 To 800 mm of Hg with MIN.DIVN. 1mm or inches scale with vernier providing readability to 0.01 inches.

The **FITZER Barometer** is sturdily construction for continuous, reliable and accurate service in the instrument laboratory of in industrial process plant. Special designing features permit shipping the instrument completely filled with mercury, ready for preliminary preparation.

The accuracy of a Barometer depends on the condition of evacuation in the void space in the sealed tube. For the ultimate accuracy, the instrument is evacuated and filled with Fitzer Instrument Mercury under Controlled conditions assuring complete removal of all entrained air prior to filling with mercury. If the perfect seal of a barometer is lost, the gauge must again be completely evacuated and a new filling of mercury added.

### GENERAL SPECIFICATIONS

<b>CASING</b>	Aluminium Casing three sides with transparent acrylic cover.
<b>METERING TUBE</b>	Special uniform bore, thick walled borosilicate glass tube which is one-sealed and special trap arrangement to restrict air bubbles.
<b>MERCURY CHAMBERS</b>	Fabricated in transparent acrylic block.
<b>LIGHTED ARRANGEMENT</b>	9 Volts Battery / Mains operated, lighting arrangement for accurate match zero pointer on Mercury surface in Reservoir.
<b>THERMOMETER</b>	Thermometer is provided for measuring atmospheric Temperature fitted on front side of Barometer case
<b>RANGE</b>	580 TO 780 mm of Hg.
<b>MOUNTING</b>	Wall mounting type.
<b>MIN.DIVN.</b>	1 mm / 0.1 inches
<b>ACCURACY</b>	±0.1% F.S.D.



**MODEL : FITZER / BM / 80**