

Kollsman Pressure Altimeter

Pressure-Actuated

Type B44202 10 002 (AAU-31/A)



FUNCTION

This altimeter is an exceptionally accurate pressure actuated instrument with a -1000 to 50,000 foot range. A three drum counter provides digital indication in tens of thousands, thousands and hundreds of feet, supplemented by a pointer which indicates altitude in hundreds of feet.

CHARACTERISTICS

The instrument is driven solely by changing atmospheric pressure acting on evacuated

metal capsules of proven Kollsman design and manufacture. No electrical power is needed to operate the altimeter.

Expanding and contracting motions of the pressure capsules are transmitted through a precision mechanical linkage to position the pointer and digital counter on the face of the instrument.

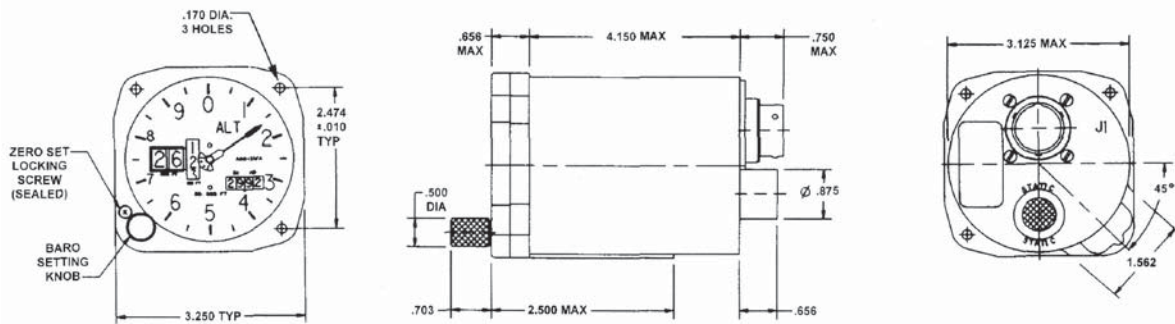
A knob on the front of the altimeter provides the means for setting barometric pressure which is shown in inches of mercury on a four digit counter.

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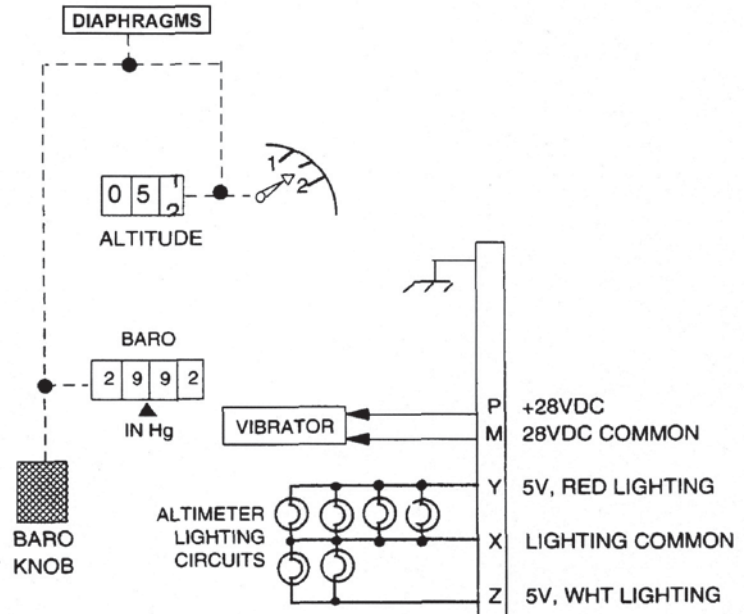
Specifications

Altitude Range	-1000 to +50,000 ft	Power	5V AC or DC (Lighting) 28V DC (Vibrator)
Barometric Setting Range *Inches of Mercury	28.1 to 31.0	Integral Lighting	red (MIL-L-25467) white (MIL-L-27160)
Accuracy	MIL-A-81851 (AS) (AAU-31/A)	Weight	2 lbs. max.
		Mounting	MS33549

DIMENSIONS



TYPICAL FUNCTIONAL DIAGRAM



INSTALLATION INFORMATION

Static Pressure Connection.....MS33649-6
(AND 10050-6
Ref 9/16-18
UNF-3B Thd.)

Cable Connect.....Mates with
MS3116 □ 16-26S

*Also available with barometric setting in Millibars (951 to 1050 mb) — Part No. B44202 10 003



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