



Link do produktu: <https://airsup.eu/winter-2-14-variometer-8058-ebv-2000-ft-min-p-32903.html>



WINTER 2-1/4 VARIOMETER 8058 EBV 2000 FT MIN

Cena brutto	4 652,47 zł
Cena netto	3 782,50 zł
Numer katalogowy	21672215
Kod producenta	8058
Kod EAN/Wewnętrzny	5900016814101

Opis produktu

Vane type variometers measure the change in air pressure inherent to changes in altitude. The instrument consists of a cylindrical chamber with a precision-fit baffle plate (vane) rotating on shock proof jewel bearings and centered by a coil spring. The vane divides the chamber in two: one section is open to static pressure, while the other is connected to an expansion tank, in which a volume of air is insulated against the thermal effects. Differences in pressure are compensated by the narrow gap between vane and chamber wall. There is a change in static pressure when an aircraft climbs or descends, and a differential pressure is established between the two sections of the chamber. The resultant deflection of the vane provides a measure of the vertical speed and this deflection is transferred to the pointer of the instrument. The response rate of a variometer is important. In high-performance gliding, up currents can be identified all the quicker and used all the more efficiently if the variometer responds without delay. Defined as the length of time the instrument takes to reach 65% of its final reading in response to a sudden change in vertical speed, the time constant serves as a standard for gauging speed of response. The faster a variometer responds, the smaller is its time constant. Vane type variometers with large measuring ranges such as 5 StV 5 (± 10 m/sec. and ± 15 m/sec.) have small time constants. The volume of the expansion tank must be increased in order to achieve comparable figures with variometers having the most common measuring range (± 5 metres/second).

The tiny housings mean that these instruments can be installed even where space is restricted.