

VVS-V1 (Air Data Computer)

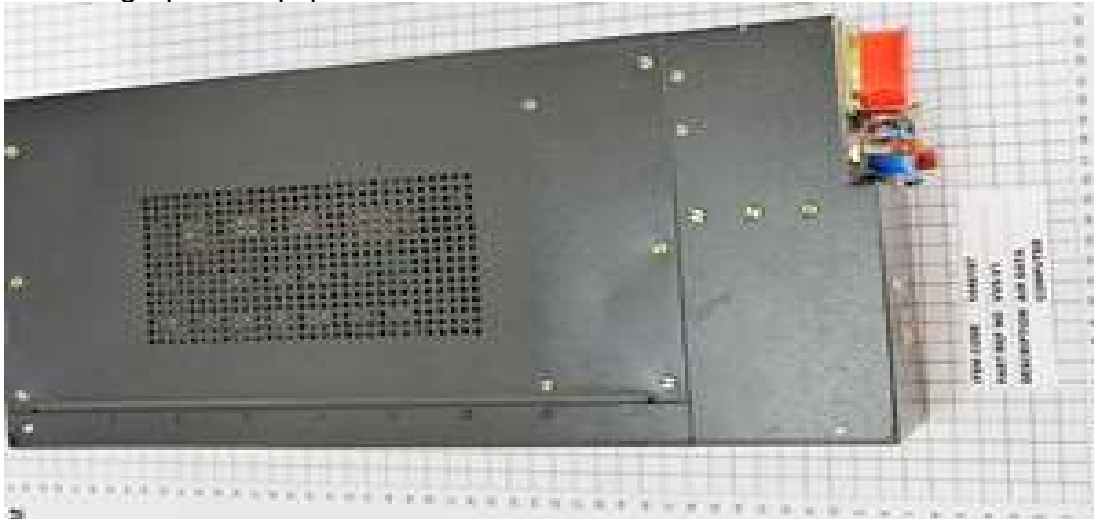
1. Nomenclature/ Part No/ GIG No. - **VVS-V1 / Air Data Computer / 1448187**
2. Year of Procurement/ Source. – 09 Oct 12/ Rosoboron Russian
3. Fleet/ Sub System/Wpn System. –**Mi-17V5 / VVS-V1**
4. Technical Applicability/ Broad Purpose. IT PROVIDE FLIGHT ALTITUDE, FORWARD AIR SPEED AND VERTICAL SPEED OF THE HELICOPTER
5. Technical Specifications (attach as separate sheets)

(a)	Pressure altitude range:	-500 to +7000 mtrs (-1640 to +22966 ft.)
(b)	Relative altitude range:	-300 to +7000 mtrs (-984 to +22966 ft.)
(c)	Indicated Air Speed range:	50 to 450 Kmph (27 to 243 knot)
(d)	True Air Speed range:	70 to 450 Kmph. (37.8 to 243 knot)
(e)	Vertical Speed range:	-30 to +30 m/s
(f)	Static Pressure range:	308 to 806 mm of Hg
(g)	Pressure altitude error: from -500 to +1000m at 7000m	± 6 m ± 14 m
(h)	Relative altitude error: from -500 to +1000m at 7000m	± 8 m ± 16 m
(j)	Indicated Air Speed error:	± 8 to ± 2 Kmph (50 to 450 Kmph)
(k)	True Air Speed range:	± 8 to ± 4 Kmph (70 to 450 Kmph)
(l)	Vertical Speed error at: speed of 0 m/s speed -30 to +30 m/s	± 0.3 m/s ± 0.6 m/s
(m)	Static Pressure error:	± 1 mm of Hg
(n)	Power supply:	115 V 400 Hz single phase

6. Publication Details (attach as separate sheets).

PMC-MI17V5-SG418-PC000-01	PG NO-03 ITEM-01
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7. Photograph of Equipment.



8. Brief Description. IT PROVIDE FLIGHT ALTITUDE, FORWARD AIR SPEED AND VERTICAL SPEED OF THE HELICOPTER

9. Classification of Equipment- LRU/Testers/ Ground Equipment/ Role Equipment (Electrical, Electronics, Mechanical, Software based etc.). **LRU/ INSTRUMENT**

10. Previous Repair History- **OEM Supplied**

11. Criticality (Priority I, II or III). **-I**

12. Requirement: Repair or Indigenisation or both? **–Indigenisation**

13. Quantity Required (One time/ Annual). Annual

14. Sample Availability. nil

15. Scale/ Deficiency. **–Rotable used in MI-17 V5 HPTER**

16. If deficient - How deficiency is being plugged? **–N/A**

17. SPOC details item/ fleet wise. **SPE (IDS)**

18. Draft QTS with major testing requirement (If already designed) **–Not Applicable**

19. Any Other Relevant Information. **No**