

DKV-21V Attitude and Heading Reference Unit

1. Nomenclature/ Part No/ GIG No.-**DKV-21V / Attitude and Heading Reference Unit / 1411436**

2. Year of Procurement/ Source. – 02 May 2019/ Aviahelp Export Ltd

3. Fleet/ Sub System/Wpn System. –**Mi-17V5 /DKV-21V**

4. Technical Applicability/ Broad Purpose. **TO GENERATE AND TRANSMIT HEADING AND ATTITUDE OF THE HPTER**

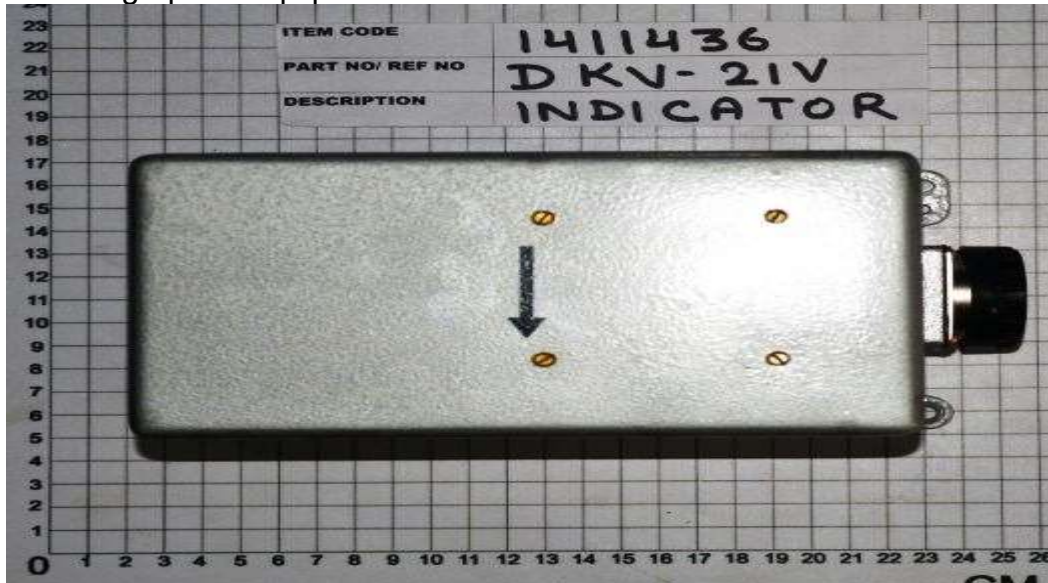
5. Technical Specifications (attach as separate sheets) **Technical Data.**

SL NO.	PARAMETER	RANGE
(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
(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).

Manual name	Location
MI17V5-A-31-00-00-110-941A-A	ITEM NO. 03, FIG NO. 01, PAGE NO 02

7. Photograph of Equipment.



8. Brief Description **TO GENERATE AND TRANSMIT HEADING AND ATTITUDE SIGNAL OF THE HPTER**

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

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

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

12. Requirement: Repair or Indigenisation or both? **–Indigenisation RAISED VIDE REQUEST NO. 270 DTD-06.02.21**

13. Quantity Required (One time/ Annual).30

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**