

MFPU-8 (Multifunctional Control Panel)

1. Nomenclature/ Part No/ GIG No. - **MFPU-8 / Multifunctional Control Panel / 1441531**

2. Year of Procurement/ Source. – 17 Sep 2022/ Aerospace Corp.

3. Fleet/ Sub System/Wpn System. –**Mi-17V5 / MFPU-8**

4. Technical Applicability/ Broad Purpose

(i) Initial data input and Input of text and photographic information files created with the ground training system through the USB port using the USB flash-memory

(ii) Input, storing of the parameters of search and rescue operations patterns and their transmission to the MC. Automatic or manual calculation of the load carrying capacity, the best climbing mode in case of one engine fail, best mode of one-engine flight

(iii) Check of interfaced systems exchange status

(iv) Storing in the nonvolatile memory and indication of the photographic information about airfields, helicopter pads, targets, landing approach patterns, etc.

(v) Besides that the CDU 1 also performs functions of the standby controller and functions of navigation tasks calculation in case of the MC failure.

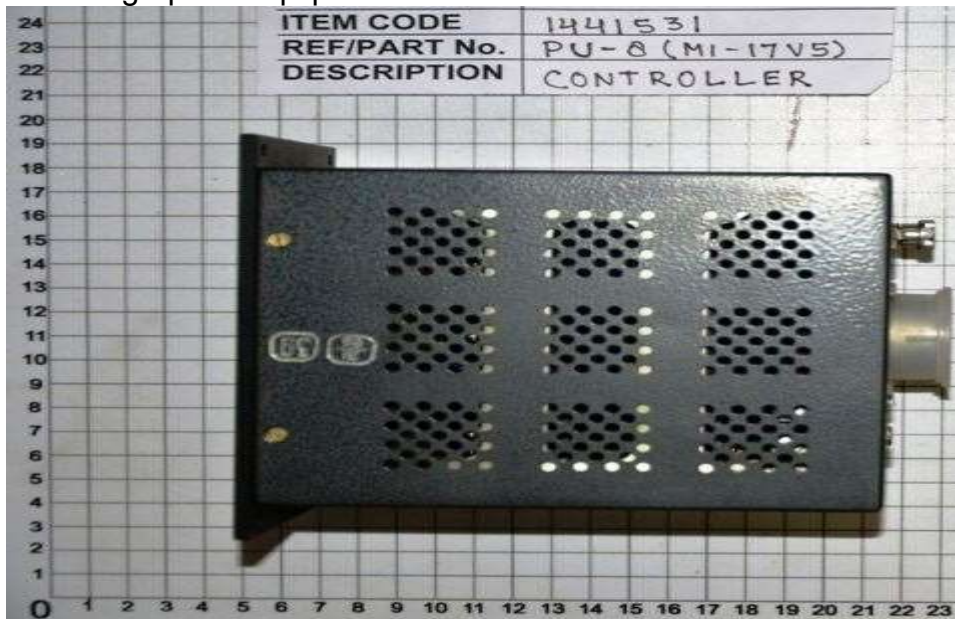
5. Technical Specifications (attach as separate sheets)

(a)	Power supply-	27V DC
(b)	Warm up time- (I) At 25 degree C- NMT (II) At -40 degree C NMT	45 Sec 6 Min
(c)	Power consumption-	40 W AT 25 degree C 90 W AT -40 degree C
(d)	Dimension- Processor Unit	(170X205X265) mm CDU ((146X220X60) mm
(e)	Operating Temperature-	-40 °C to 55°C
(f)	Communication Line used:	ARINC-429, MIL-1553B,USB, RS-232
(g)	Viewing angle-	+/- 55°
(h)	Display Type-	Full Colour
(j)	Display dimension-	4"X3"
(k)	Resolution –	640x480 pixels
(l)	Weight- PU- CDU-	6Kg 2Kg

6. Publication Details (attach as separate sheets).

Maintenance Manual Multifunctional Control Panel MFPU-8

7. Photograph of Equipment.



8. Brief Description.

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- (iv) Storing in the nonvolatile memory and indication of the photographic information about airfields, helicopter pads, targets, landing approach patterns, etc.
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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 AUTOPILOT SYSTEM 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**