



A-6 AIRCRAFT HORIZONTAL SITUATION INDICATOR MOCK-UP, DEVICE 2B32

TRAINING CATEGORY:

AVIATION (Instrument)

ORIGINATING AGENCY:

DCNO/AIR

SECURITY CLASSIFICATION:

Device 2B32 is unclassified.

INTENDED USE:

The device is used for training pilots and bombardier/navigators in the new instrument procedures and pre-flight briefings.

FUNCTIONAL DESCRIPTION:

Device 2B32 is a portable unit designed with a hanging device for easy wall mounting

It requires no electrical power either for illumination or automatic operation.

All moving parts are manually adjustable. These parts are as follows:

- (a) Distance Maker
 - (1) Masking bar moves from mashed to hidden position.
 - (2) All three (3) digits adjustable individually from 0 to 9.
- (b) Bearing Pointer ADP
 - (1) Rotates 360°
- (c) Select Course Counter
 - (1) This window rotates for numbers from 000 to 359. Rotation is controlled by CRS set knob and reads course indicated by selected course arrow. Therefore, the entire inner circle upon which is mounted the course bar slot, course bar, and to/from arrow should rotate when the CRS set knob is rotated and aligns the selected course arrow with the course readout in the selected course counter.
- (d) Heading Select Marker
 - (1) Rotates 360° and the rotation is controlled by the HDG set knob.

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(e) Power Off Warning Flag

(1) Flag is moveable from its indicating position to a hidden position behind the edge of the instrument case. The flag is colored red with black lettering.

(f) Course Base

(1) This bar is moveable from side to side remaining parallel to the orientation of the selected course arrow. The maximum side deflection of the bar does not exceed the limits of the course bar slot.

(g) To/From Arrow

(1) Is controllable to permit the arrow to point either at the head or tail of the selected course arrow.

(h) Bearing Pointer (TACAN) (15)

(1) Rotates 360°

(i) Compass Rose

(1) Rotates 360°. The circle within the compass rose rotates as the compass rose is rotated. However, when the inner circle rotates; it does not cause the compass rose to rotate with it.

The device is black and white with the exception of the power off warning flag.

PHYSICAL INFORMATION:

Approximately Three (3) square feet in size.

INSTALLATION AREA:

Classroom

PERSONNEL:

Instructor: One (1)

Trainees: Up to Twelve (12)

CONTRACT IDENTIFICATION:

Manufactured by Gentronics Co., St. Cloud, FL under NAVTRASYSCEN Contract No. N61339-73-C-0107.

LOCAL STOCK NUMBER:

6910-LL-C00-3093