

Civil Aviation Transport Instrument

CATI: 91.509

Civil Aviation (Pressure Altimeters) Transport
Instrument

Initial Issue

Preliminary

The Director of Civil Aviation being satisfied that all persons and organisations that the Director considers appropriate have been consulted, having regard to the subject matter of this transport instrument, and having regard to relevant standards, guidance and practice, makes this transport instrument under section 431 of the Civil Aviation Act 2023 and Civil Aviation Rule 91.17 for the matters specified under rule 91.509.

Purpose

This transport instrument specifies the requirements of pressure altimeters installed in an aircraft for the purpose of indicating altitude in feet.

Issue of Civil Aviation Transport Instrument



30/04/2026

Signed by:

Date

Kane Patena
Director of Civil Aviation

Revision History

Initial Issue

Civil Aviation (Pressure Altimeters) Transport Instrument [CATI 91.509]

1.1 Title

This civil aviation transport instrument is the Civil Aviation (Pressure Altimeters) Transport Instrument and may be identified as CATI 91.509.

1.3 Commencement date

This civil aviation transport instrument comes into force on 12 June 2026.

1.5 Definitions

The terms used in this transport instrument have the same meaning set out in Part 1 of the Civil Aviation Rules.

1.7 Application

This transport instrument applies to rule 91.509(a)(3).

1.9 Pressure Altimeters

- (a) For a pressurised aircraft to be operated at altitudes above 25 000 feet, each sensitive pressure altimeter must—
 - (1) for a MCTOW not exceeding 5700 kg, be—
 - (i) a counter/pointer or drum pointer altimeter at the normal pilot-in-command position; and
 - (ii) a counter/pointer, drum pointer, or three pointer altimeter at other crew stations; or
 - (2) for a MCTOW exceeding 5700 kg, be—
 - (i) a counter/pointer type at the normal pilot-in-command position; and
 - (ii) either a counter/pointer or drum/pointer type at other crew member stations.
- (b) For aircraft to be operated IFR at altitudes not above 25 000 feet, each sensitive pressure altimeter must be counter/pointer, drum/pointer, or three pointer type.
- (c) Each three-pointer altimeter must have a striped low altitude warning sector that is fully displayed at all altitudes up to 10 000 ft and progressively withdrawn above that altitude and either—
 - (1) a 10 000 ft pointer that cannot be obscured by any other pointers; or
 - (2) a concentric track indicating 10 000 ft intervals; or
 - (3) a combination of paragraphs (1) and (2).
- (d) Each sensitive pressure altimeter must—
 - (1) meet the requirements of TSO C10; and
 - (2) be adjustable for barometric pressure in hectopascals or millibars and be presented so as to enable altitudes to be easily read to within 20 feet.
- (e) Aircraft not required to be fitted with a sensitive pressure altimeter must be fitted with an altimeter calibrated in increments of no more than 200 feet.