

**Table 1. Part 125 - Flight Data Recorder Parameter Requirements**

When reading the parameter specifications from Table 2 the corresponding shaded specification should be chosen for each parameter. This table refers to the FDR requirements of rule 125.369.

	(A)	(B)	(C)	(D)
Parameter * if sensor installed	11 Parameter	17 Parameter	18 Parameter	88 Parameter
1	Time	Time	Time	Time or Relative time counts
2	Altitude	Altitude	Airspeed	Pressure Altitude
3	Airspeed	Airspeed	Altitude	Indicated airspeed or Calibrated airspeed
4	Vertical acceleration	Vertical acceleration	Heading	Heading (primary flight crew reference)
5	Heading	Heading	Vertical acceleration	Normal acceleration (vertical)
6	Time of radio transmission to/from ATC	Time of radio transmission to/from ATC	Longitudinal acceleration	Pitch attitude
7	Pitch attitude	Pitch attitude	Pitch attitude	Roll attitude
8	Roll attitude	Roll attitude	Roll attitude	Manual radio transmitter keying or CVR/DFDR synchronisation reference
9	Longitudinal acceleration	Longitudinal acceleration	Stabiliser trim position OR pitch control position	Thrust/power on each engine (primary flight crew reference)
10	Control column OR pitch control surface position	Pitch trim position	Fan/N1 speed/ EPR/cockpit indications used for aircraft certification OR prop speed and torque	Autopilot engagement

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	(A) 11 Parameter	(B) 17 Parameter	(C) 18 Parameter	(D) 88 Parameter
Parameter * if sensor installed				
11	Thrust of each engine	Control column OR pitch control surface position	Altitude rate <sup>1</sup>	Longitudinal acceleration
12		Control wheel OR lateral control surface position	Angle of attack <sup>1</sup>	Pitch control(s) position (non fly-by-wire systems)
				Pitch control(s) position (fly-by-wire systems)
13		Rudder pedal OR yaw control surface position	Radio transmitter keying	Lateral control(s) position (non fly-by-wire systems)
				Lateral control(s) position (fly-by-wire systems)
14		Thrust of each engine	Trailing edge flaps	Yaw control(s) position (non fly-by-wire systems)
				Yaw control(s) position (fly-by-wire systems)
15		Position of each thrust reverser	Leading edge flaps	Pitch control surface(s) position
16		Trailing edge flap OR cockpit flap control position	Thrust reverser, each engine	Lateral control surface(s) position

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	(A) 11 Parameter	(B) 17 Parameter	(C) 18 Parameter	(D) 88 Parameter
Parameter * if sensor installed				
17		Leading edge flap OR cockpit flap control position	Spoiler/ speedbrake	Yaw control surface(s) position
18			Autopilot engaged	Lateral acceleration
19				Pitch trim surface position
20				Trailing edge flap or cockpit control position
21				Leading edge flap or cockpit control position
22				Each thrust reverser position or equivalent for propeller aeroplane
23				Ground spoiler position or speed brake position
24				Outside air temperature or total air temperature
25				Autopilot/ autothrottle/AFCS mode and engagement status
26 *				Radio altitude
27				Localiser deviation or

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				MLS azimuth
28				Glideslope deviation or  MLS elevation
29				Marker beacon passage
30				Master warning
31				Air/ground sensor (primary aeroplane sensor, nose, or main gear)
32 *				Angle of attack (if measure directly)
33				Hydraulic pressure low, each system
34 *				Groundspeed
35				GPWS
36				Landing gear position or landing gear cockpit control selection
37 *				Drift angle
38 *				Wind speed and direction
39 *				Latitude and longitude

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	(A) 11 Parameter	(B) 17 Parameter	(C) 18 Parameter	(D) 88 Parameter
Parameter * if sensor installed				
40 *				Stick shaker and pusher activation
41 *				Windshear detection
42				Throttle/power lever position
43				Additional engine parameters
44				TCAS
45				DME 1 and 2 distances
46				Nav 1 and 2 selected frequency
47 *				Selected barometric setting
48 *				Selected altitude
49 *				Selected speed
50 *				Selected Mach
51 *				Selected vertical speed
52 *				Selected heading
53 *				Selected flight path
54 *				Selected decision height
55				EFIS display format
56				Multi-function/engine alerts display format

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Parameter * if sensor installed				
57 *				Thrust command
58 *				Thrust target
59 *				Fuel quantity in CG trim tank
60				Primary navigation system reference
61 *				Ice detection
62 *				Engine warning each engine - vibration
63 *				Engine warning each engine - over temp
64 *				Engine warning each engine - oil pressure low
65 *				Engine warning each engine - over speed
66				Yaw trim surface position
67				Roll trim surface position
68				Brake pressure - left and right

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	(A)	(B)	(C)	(D)
Parameter * if sensor installed	11 Parameter	17 Parameter	18 Parameter	88 Parameter
69				Brake pedal application - left and right
70 *				Yaw and side-slip angle
71 *				Engine bleed valve position
72 *				De-icing or anti-icing system selection
73				Computed centre of gravity
74				AC electrical bus status
75				DC electrical bus status
76 *				APU bleed valve position
77				Hydraulic pressure each system
78				Loss of cabin pressure
79				Computer failure - critical flight and engine control systems
80 *				HUD
81 *				Para-visual display

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Parameter * if sensor installed				
82				Cockpit trim control input position - pitch
83				Cockpit trim control input position - roll
84				Cockpit trim control input position - yaw
85				Trailing edge flap and cockpit flap control position
86				Leading edge flap and cockpit flap control position
87				Ground spoiler position and speed brake selection
88				All cockpit flight control input forces - control wheel, control column, rudder pedal

## Notes:

1. If data from the altitude encoding altimeter (100' resolution) is used then either of these parameters should also be recorded. If, however, altitude is recorded at a minimum of 25' resolution then these two parameters may be omitted.