

ANALYSIS OF UK TRANSPONDER CARRIAGE 2014

Original work carried out in 2014 by John Brady of the LAA using CAA supplied data
Data display revised in 2015 by Tom Hardie of the BHPA

Aircraft classification	No. of aircraft	No. of aircraft with transponder	Fleet % fit
AIRSHIP (GAS-FILLED)	2		0.0%
00751kg - 05700kg	2		0.0%
AIRSHIP (GAS-FILLED) (UNMANNED)	2		0.0%
00001kg - 00750kg	2		0.0%
AIRSHIP (HOT AIR)	17	3	17.6%
00001kg - 00750kg	3		0.0%
00751kg - 05700kg	14	3	21.4%
BALLOON (GAS-FILLED)	4		0.0%
00001kg - 00750kg	2		0.0%
00751kg - 05700kg	2		0.0%
BALLOON (HOT AIR)	1,515	7	0.5%
00000kg	25		0.0%
00001kg - 00750kg	578		0.0%
00751kg - 05700kg	912	7	0.8%
BALLOON (MINIMUM LIFT)(UNMANNED)	98		0.0%
00000kg	97		0.0%
00001kg - 00750kg	1		0.0%
FIXED-WING AMPHIBIAN	20	8	40.0%
00001kg - 00750kg	6		0.0%
00751kg - 05700kg	13	7	53.8%
05701kg - 15000kg	1	1	100.0%
FIXED-WING LANDPLANE	10,050	6,063	60.3%
> 50000kg	796	770	96.7%
00001kg - 00750kg	3,300	1,047	31.7%
00751kg - 05700kg	5,480	3,884	70.9%
05701kg - 15000kg	199	155	77.9%
15001kg - 50000kg	275	207	75.3%
FIXED-WING LANDPLANE (UNMANNED)	1		0.0%
00751kg - 05700kg	1		0.0%
FIXED-WING SEAPLANE	3	1	33.3%
00001kg - 00750kg	1		0.0%
00751kg - 05700kg	2	1	50.0%
FIXED-WING SELF-LAUNCHING MOTOR GLIDER	310	84	27.1%
00001kg - 00750kg	217	27	12.4%
00751kg - 05700kg	93	57	61.3%
GLIDER	2,263	47	2.1%
00001kg - 00750kg	2,242	44	2.0%
00751kg - 05700kg	21	3	14.3%
GYROPLANE	329	103	31.3%
00001kg - 00750kg	329	103	31.3%
HANG GLIDER	9		0.0%
00001kg - 00750kg	9		0.0%
HELICOPTER	1,225	1,033	84.3%
00001kg - 00750kg	203	164	80.8%
00751kg - 05700kg	904	759	84.0%
05701kg - 15000kg	118	110	93.2%
MICROLIGHT	4,009	213	5.3%
00001kg - 00750kg	4,009	213	5.3%
SUB-TOTAL FOR ALL REGISTERED AIRCRAFT	19,857	7,562	38.1%
Hang gliders, Paragliders & other unregistered aircraft	8,000		0.0%
GRAND TOTAL	27,857	7,562	27.1%

Notes:

1. Some balloons carry portable transponders which are not identified in the licensing database.
2. The licensing database does not differentiate between the types of transponder and so the fitted device could be Mode S, or Mode A/C, or Mode A only.
3. As shown, in addition to the 19,857 registered aircraft there are some 8,000 UK based and operated hang gliders, paragliders and other deregulated aircraft that do not appear in the aircraft register.