

# TQ KTX2 – Aircraft transponder

Better safe than sorry - with the innovative KTX2

The newly developed and certified Mode-S KTX2 aircraft transponder is light, compact and suitable for ADS-B, has low power consumption, an integrated altitude encoder and a high-quality TFT colour display. As a Class 1 transponder with an operating range of up to 30,000 ft and 250 kt, it is ideal for GA aircraft and gliders, UL and experimental aircraft, as well as balloons.



As a Mode-S surveillance transponder, the KTX2 transponder code offers the highest possible flight safety for the pilot because it does not only transmit the Squawk and flight level, but also a 24-bit identifier which is uniquely assigned to each aircraft. In addition, the air traffic control unit can specifically interrogate certain transponders and is able to request the altitude information, speed and flight direction. The KTX2 does, hence, contribute significantly to flight safety.

- Minimum weight (Standard: approx. 380 g / Stack: approx. 580 g)
- Compact design (Standard: 63 x 62 x 149 mm / Stack: 158,4 x 41 x 155,8 mm)
- Mode S, Class 1
- Intuitive operation
- High-contrast TFT color display for brilliant legibility
- Minimal power consumption

- Integrated altitude encoder
- Simplest installation
- Max. operating height 30,000 ft

## The advantages at a glance

- Intuitive operation - developed by pilots for pilots
- Better visibility under bright sunlight thanks to transfective display on the stack model
- For use in multiple aircraft different setups can be saved.
- Integrated altitude encoder
- Antenna loop-through - no extra antenna required for any ADS-B In hardware
- Minimal power consumption
- Excellent price/performance ratio - made in Germany

## Simple, flexible installation

The KTX2 transponder is available in two versions: The standard version for installation in a 57 mm / 2¼" round cut out and the 160 mm / 6¼" stack version. A housing length of only 146.2 mm for Standard format means that the transponder can even be installed quite easily in cockpits with difficult space restrictions.





## Extras – for all situations

Optional available: Compatible GPS sources in different Certification levels for ADS-B OUT.



## General data/basic data

### Weight:

- approx. 380 g (0,84 lbs)

### Dimensions:

- Standard: 63 x 62 x 149 mm, hole Ø 57mm

## Technical data

### Operating voltage:

- 9 - 30 V DC

### Transmission power:

- $\geq 24$  dBW (250 W)

### Transmission frequency:

- $1.090 \pm 1$  MHz

### Operating temperature:

- -20°C ... +55°C

### Shock:

- 6 g operation, 20 g break resistance

### Max. Operating height:

- 30.000 ft

### Max. Speed:

- 250 kt / 463 km/h / 287 mph

### Type:

- Mode-S Transponder Class 1 Level 2els

Power consumption:

- 0.2 - 1.0 A (depending on the number of queries)

## Certificates

Approvals:

- EASA ETSO / FAA TSO, FCC

Compliance:

- ETSO-C112d, ETSO-C88a / TSO-C112d, TSO-C88a, EUROCAE ED-26, EUROCAE ED-14F, EUROCAE ED-12C; EUROCAE ED-73E, RTCA DO-181E, ETSO-C166b / TSO-C166b (ADS-B out)
- Software: RTCA DO-178C / ED12C Level D
- Hardware: RTCA DO-254 / ED80 Level C

Environment:

- RTCA DO-160G / ED-14G