

## TEL1-40kTTL

Telemetry transmission of TTL pulses from 4Hz to 40kHz  
Range 300-500m



- 4 to 40000 Hz TTL impulse
- Transmission range up to 500m
- Telemetry systems can work with 4 different carrier frequencies in the 433MHz band
- Carrier frequencies 433.3, 433.7, 434.1 or 434.5
- Powering 10-30V

## Specifications

<p><b>Transmitter</b></p> <p>Power supply voltage: 10 - 30V DC          Power consumption: 0.5W          Input signal level: TTL          Connector type: TNC          Weight: 435g          Dimensions: 105 x 105 x 45          (without connectors)</p>	<p><b>Receiver</b></p> <p>Power supply voltage: 10 - 30V DC          Power consumption: 1.35W          Output signal level: TTL (0V, 5V)          Output impedance: 2k<math>\Omega</math>          Connector type: TNC          Weight: 490g          Dimensions: 105 x 105 x 45          (without connectors)</p>
<p><b>Transmitter antenna</b></p> <p>Cable: RG 058-PE (length 4m)          Gain: +4dB (rel. to <math>\lambda/4</math> antenna)          Frequency range: 410-470MHz          Mounting: Magnetic socket          Length: 400mm          Connector type: TNC          Weight: 600g (without cable)</p>	<p><b>Receiver antenna</b></p> <p>Cable: RG 058-PE (length 4m)          Gain: +4dB (rel. to <math>\lambda/2</math> antenna)          Frequency range: 410-470MHz          Mounting: Magnetic socket          Length: 400mm          Connector type: TNC          Weight: 600g (without cable)</p>
<p><b>Transmission</b></p> <p>Transmission range: up to 500m          (line-of-sight connection)          Transmission power: 10mW          Transmission delay: 35<math>\mu</math>s (constant)          Carrier frequencies: 433.3, 433.7, 434.1 or          434.5 (simultaneous operation          of up to 4 systems possible)          Accuracy for interference-free connection:</p>	<p><b>Environmental</b></p> <p>Operating temperature: -10 - 70°C          Storage temperature: -20 - 70°C          Humidity: 20 - 80% (non-condensing)          Vibration: 5g          (Mil Standard 810C, Curve C)          Shock: 100g (in any direction)</p>

**Set contains:**  
 1x TEL1-TTL-40k-TX (Transmitter) 1x TEL1-TTL-40k-RX (Receiver)  
 1x 4dB transmitting antenna, 1x 4dB receiving antenna,  
 2x DC power cable, 1x AC/DC converter

