



TS02 - 102 AT ARINC TRANSCEIVER

The device is used for monitoring and testing of the ARINC429 bus. It contains both the receive and transmit ARINC interfaces. This makes possible reception up to 100 packets and transmission of up to 32 packets simultaneously with resolution of 5 ms. Other than ARINC interface a full duplex RS485/RS422 communication interface as well as RS232 service port are available. The device can be powered from an external power source or from an internal battery pack. When the device is plugged to an external power source (connector is easily accessible on the left side) internal batteries are automatically charged.

Technical specification

Power supply	10 - 30 V DC
Battery pack	4× NiCD 2000 mAh, type AA
Power consumption	nominal 1 W (without backlight)
ARINC429/419 interface	"Low Speed" or "High Speed"
Low speed	13 kbit/s ±0,5 %
High speed	100 kbit/s ±0,5 %
RS485/422 interface	full duplex, max. 115 kbit/s
Dimensions	106 × 224 × 40 mm
Weight	400 g (without internal battery pack)
Battery recharge time	cca 24 hrs
Power-on time	cca 3 hrs
Operating temperature	10 °C - 40 °C
Storage temperature	-10 °C - 50 °C
Safety standard	IP44



Block diagram

