

AN-12 for TL-6524, TL-6624, TL-6724

### General Information

The probe is resistance temperature detector (RTD), it is equipped with 2 wires with black-white insulation; connection of the probe is irrespective of polarity. Length of the probe wires is 3 meters.

### IAT Probe Connection



EFIS INTEGRA TL-6524 EFIS & EMS INTEGRA TL-6624 EMS INTEGRA TL-6724			
Input	Input Name	Sensor w/colour	I/O
P02 - 12	Inside air temperature sensor	Black-White	In
P02 - 24	Ground for inside air temperature sensor	Black-White	- -

### OAT Probe Connection

**⚠ NOTE:** OAT probe is intended for measurement of air temperature in outdoor environment. It is important that the OAT probe be mounted somewhere on the skin of the aircraft where it will not be affected by heat sources (sun, engine, aircraft interior, etc). The ideal location would receive no heat from the aircraft engine or any other source in the aircraft body. While this may be impractical, it is a good idea to mount the probe as far away from heat sources as possible.

EFIS INTEGRA TL-6524 EFIS & EMS INTEGRA TL-6624 EMS INTEGRA TL-6724			
Input	Input Name	Sensor w/colour	I/O
P02 - 13	Outside air temperature sensor	Black-White	In
P02 - 25	Ground for outside air temperature sensor	Black-White	- -

**AUX Temperature Probe Connection**

EFIS & EMS INTEGRA TL-6624 EMS INTEGRA TL-6724			
Input	Input Name	Sensor w/colour	I/O
P03 – 5	Auxiliary temperature	Black-White	In
P03 - 23	Ground for auxiliary temperature	Black-White	- -

Applicable for: 6524-15; 6624-42; 6724-28

Technical information:

Type of Sensor: 100433-000 EMS OAT Sensor (OEM)

Operating temperature: -30 to 70 °C (-22 to 158°F)

**Rev. A**

Information furnished by TL elektronik is believed to be accurate and reliable.

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