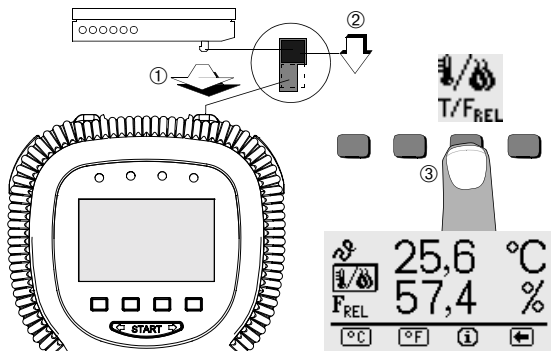


Z541A

T-H Adapter

3-349-137-02
2/1.04



Applications

The combination temperature and humidity adapter allows for the measurement of temperatures ranging from $-10.0\text{ }^{\circ}\text{C}$ to $+50.0\text{ }^{\circ}\text{C}$, and humidity from 10.0% to 90.0%.

Attaching the Adapter to the Test Instrument

- Connect the temperature and humidity adapter to the IR interface at the test instrument. Insert the locating tab at the adapter into the appropriate opening at the top of the test instrument to this end, such that the adapter makes contact with the rubber pads at the middle of the housing.
- Push the adapter down in order to assure secure attachment.

Operating the Test Instrument

- Press the T/F_{REL} key. The adapter is switched on via the interface.
- Select the desired temperature unit of measure with the corresponding key, i.e. $^{\circ}\text{C}$ or $^{\circ}\text{F}$. Temperature and humidity are displayed directly.
- The adapter adjusts more quickly to prevailing ambient conditions if the test instrument and the adapter are moved back and forth for several seconds. This allows for more rapid penetration of air into the openings at the adapter housing. Otherwise, settling in takes several minutes.
- If the test instrument is switched to another function, the adapter is deactivated.
- Measured values are only updated once every 5 seconds in order to extend the service life of the batteries in the adapter.

Display at the Test Instrument METRISO

The „— — —“ symbol shown on the display can be attributed to the following causes:

- Exposure to intense direct sunlight
- depleted batteries in adapter Z541A
- adapter defective or not properly positioned

Adapter Z541A should not be exposed to intensive sunlight to prevent inadvertent activation via infrared (battery life!).

Replacing the Batteries

The housing base must be separated from the housing top in order to replace the batteries.

- Loosen the screw at the housing base to this end, and remove the housing top.
- Insert two type LR1 1.5 V lady cells (size N) into the battery compartment, making sure to observe the polarity markings.
- Replace the housing top – the opening in the housing base must be aligned to the thread in the housing top for the fastening screw – and press until it snaps into place. Carefully retighten the screw.

Characteristic Values

Measured Quantity	Measuring Range	Intrinsic Error at 23 °C and 50% Relative Humidity
T	-10.0 ... +50.0 °C	±2 °C
H _{rel}	10.0 ... 90.0%	±5%

Batteries	2 ea. type LR1 1.5 V lady cells (size N)
EMC Interference Emission	EN 61326
EMC Interference Immunity	EN 61326
Ambient Conditions	same as METRISO test instrument
Protection	IP 20
Dimensions	85 x 46 x 16 (L x W x H)
Weight	53 gr.

Addresses

Refer to the operating instructions included with the METRISO test instrument regarding addresses for repair and replacements parts service, as well as for product support, or contact your distributor.