

# Tecal - User Probe Interface



*User Probe Interface*

Looking for an easier way of calibrating your temperature sensors? With the Tecne® User Probe Interface (UPI) you can realize a **fully automated and unattended** calibration of your temperature sensors saving both time and money. Simply install your sensor into the block insert and connect the wiring to the appropriate front panel terminals, switch the UPI on and select your sensor type. Next create or run a program from the Tecal calibrator memory or PC using CalSoft. The calibrator will automatically save all data from the UPI during the run. When finished you can output the data in text format, as a graph or create a calibration certificate for the sensor under test.

The User Probe Interface accepts types K, J, N, T and E thermocouples along with 100 and 1000 ohm 3 and 4 wire RTD's. You can also connect the UPI in series with your 4 to 20mA loop and the current reading of your transmitter will be displayed. The UPI is powered by a standard 9-volt battery, easily accessible through bottom mounted slide-in drawer. Sensor wires are connected to standard 4mm banana socket screw down posts.

## Specifications

Probe Type	Resolution	Accuracy °C	Range °C
K t/c	0.1	0.3*	-50 to 650
J t/c	0.1	0.3*	-50 to 650
N t/c	0.1	0.3*	-50 to 650
T t/c	0.1	0.3*	-50 to 650
E t/c	0.1	0.3*	-50 to 400
100Ω RTD	0.1	0.2	-50 to 650
1000ΩRTD	0.1	0.2	-50 to 650
4-20mA	1.0uA	2.0uA	-50 to 650

\* Includes cold junction compensation errors.