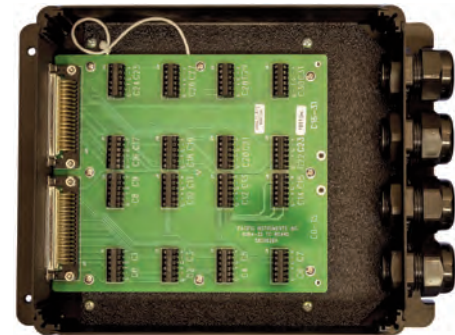


The Uniform Temperature Reference (UTR) converts from specific thermocouple wire to copper wire within a uniform temperature environment. A single UTR can accommodate up to 32 thermocouples of different types. A precision RTD sensor measures the temperature of the thermocouple wire and this measurement is used by software to make cold junction temperature compensation and display temperatures in Celsius, Fahrenheit or Kelvin. PI660 Software provides compensation and look-up table conversion for B, C, E, J, K, N, R, S and T thermocouples. The UTR is a passive device requiring no external power.

The 6084-23-RTD has screw terminals for thermocouple terminations inside the enclosure and accessed by removing the cover. It may be installed remotely from the data acquisition system to reduce wiring costs and improve measurement accuracy. It is supplied with 2 meter cable for use with the 6017 32-Channel Voltage Input Module, however longer cables can be supplied according to application requirements.

The 6084-32-RTD-2U is for rack mounting and has thermocouple mini-jacks on the front panel. The mini-jack type must correspond to the type of the connected thermocouple and must be specified when ordering. Output from the thermocouple mini-jack goes to screw terminals where it is converted to copper in a uniform temperature environment measured by the precision RTD sensor. It is supplied with 2 meter cable for use with the 6017 32-Channel Voltage Input Module. Custom cable lengths can be supplied according to application requirements.



6084-32-RTD



6084-32-RTD-2U

SPECIFICATIONS

ACCURACY

6084-32-RTD±0.25°C.
6084-32-RTD-2U±0.5°C.

INPUTS

6084-32-RTDScrew terminals.
6084-32-RTD-2UThermocouple mini-jack. Type T standard.
Other thermocouple types available upon request.

OUTPUTS

6084-32-RTD2-Meter cables supplied for connection to the 6017 Voltage Input Module. Custom length cables are available.
6084-32-RTD-2U2-Meter cables supplied for connection to the 6017 Voltage Input Module. Custom length cables are available.

ENVIRONMENTAL

Temperature0°C to +50°C. Maximum rate of change for specified accuracy is 10°C/hour
HumidityUp to 95% without condensation.

SIZE

6084-32-RTD9 inches wide including mounting flanges, 8 inches high, 2.5 inches deep.
6084-32-RTD-2U19-inch rack mounting, 2U (3.5 inches high). Depth is 8 inches.

ORDERING INFORMATION

6084-32-RTDUniform Temperature Reference for remote installation.
6084-32-RTD-2UUniform Temperature Reference for rack installation. Type T mini.

