

# 3½ Digit LCD Thermo Meter Module GM-035KC/KF and GM-035JC/JF

## FEATURES:

- 3½ digit liquid crystal display.
- Single 5 Volt operation
- or calibration
- Cold junction compensation
- 2° resolution

## GENERAL DESCRIPTION:

The GM-035KC/KF and GM-035JC/JF is a complete thermo couple meter module for measuring temperature in either Celsius or Fahrenheit scale with K-Type thermo couple-version KC/KF, and with J-Type thermo couple-version JC/JF. The internal cold junction auto compensation allows the temperature at cold junction to vary from 0 to 50 without affecting the accuracy of the hot junction.



## TERMINAL DEFINITION:

Terminal	Symbol	Description
1	V+	+5V Positive power supply
2	GND	Ground
3	TC(+)	Thermo couple input
4	TC(-)	

## OPERATION SPECIFICATION

### ABSOLUTE MAXIMUM RATINGS

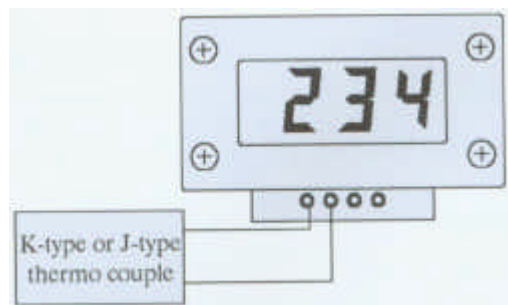
Operating Temperature..... 0 to 50 (32 to 122 )  
Storage Temperature..... -10 to 80 (14 to 176 )

## ELECTRICAL CHARACTERISTICS

CHARACTERISTICS	MIN	TYPE	MAX	UNIT
Power Supply Voltage	4.75	5	5.25	V
Power Supply Current		5		mA
Sampling Rate		2.5		Reading/sec.
Input Impedance		1		M ohm

## K-TYPE THERMO COUPLE :

RANGE	ACCURACY
-20 to 350 (-4 to 62 )	±0.5%±2 (±0.5%±3.6 )
351 to 500 (663 to 32 )	±1.5%±2 (±1.5%±3.6 )
501 to 1000 (933 to 1832 )	±2.0%±2 (±2.0%±3.6 )



## ORDERING INFORMATION :

## J-TYPE THERMO COUPLE :

RANGE	ACCURACY
-30 to 200 (-22 to 392 )	±0.5%±2 (±0.5%±2.7 )
201 to 290 (393 to 554 )	±1.5%±2 (±1.5%±2.7 )
291 to 400 (555 to 752 )	±2.5%±2 (±2.0%±2.7 )

MODEL	DESCRIPTION
GM-035KC	K-type Thermo couple Celsius degree
GM-035KF	K-type Thermo couple Fahrenheit degree
GM-035JC	J-type Thermo couple Celsius degree
GM-035JF	J-type Thermo couple Fahrenheit degree