

Digital Thermometers

Type TI.80/TI.82

- Solar Digital Thermometer
- Easy-to-Read
- R & D Applications



WIKAL's solar-powered digital thermometers are ideal for power utilities, petrochemical, and quality control applications, where exact readings are required. TI.80 and TI.82 offers easy-to-read digital temperature in single-degree increments in either Fahrenheit or Celsius scales. TI.80 has a center back mount, while the TI.82 has an adjustable angle, hermetically-sealed case.

Standard Features

- **Case:** 304 stainless steel
- **Stem:** 304 stainless steel, lengths from 1" to 24"
- **Window:** Glass standard, acrylic available
- **Connection:** 1/2" NPT, others available
- **Sensor System:** Ceramic thermistor requiring lighting of only 35 LUX to operate the 3-volt solar cell. The circuitry offers a fast 15-second update time and accuracy to within 1% of scale. A patented safety circuit prevents false readings.
- **Accuracy:** ± 1% of full range span

Note: TI.80/TI.82 are made to order

Just-Rite Adjustable Angle		
	Range -50° to 300°F	Range -50° to 150°C
Stem Length	Part Number	Part Number
2 1/2"	82025D2G4	82025D1G4
4"	82040D2G4	82040D1G4
6"	82060D2G4	82060D1G4
9"	82090D2G4	82090D1G4
12"	82120D2G4	82120D1G4
15"	82150D2G4	82150D1G4
18"	82180D2G4	82180D1G4
24"	82240D2G4	82240D1G4

Back Connected		
	Range -50° to 300°F	Range -50° to 150°C
Stem Length	Part Number	Part Number
2 1/2"	80025D2G4	80025D1G4
4"	80040D2G4	80040D1G4
6"	80060D2G4	80060D1G4
9"	80090D2G4	80090D1G4
12"	80120D2G4	80120D1G4
15"	80150D2G4	80150D1G4
18"	80180D2G4	80180D1G4
24"	80240D2G4	80240D1G4

Options		
	Code	Description
Connection	0	Plain
	2	1/4" NPT
	3	3/8" NPT (80 only)
Window	A	Acrylic
Accessories	ST	Sharp tip
	SS	316 ss wetted parts
Stem	HD	3/8" dia. stem w/ 2 1/2" L x 1/4" dia tip
	HS	3/8" dia. stem w/ 2 1/2" L x 1/4" dia. sharp tip

Datasheet: [TI.80/TI.82](#)