

Digital Thermometers

Type TI.80/TI.82

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



WIKAI'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:** ½" 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 |
| 2½" | 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 |
| 2½" | 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 | ¼" NPT |
| | 3 | ⅜" NPT (80 only) |
| Window | A | Acrylic |
| Accessories | ST | Sharp tip |
| | SS | 316 ss wetted parts |
| Stem | HD | ⅜" dia. stem w/ 2½" L x ¼" dia tip |
| | HS | ⅜" dia. stem w/ 2 ½" L x ¼" dia. sharp tip |

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