DVU Series

Vari-Angle® Digital Thermometer

SPECIFICATIONS

- Patented design is self-power and provides accuracy within 1%, maintaining the strict standard for hydronic applications
- STEM: Full conformance with Fed Spec GG-T-321D. Fully interchangeable with Industrial glass thermometers
  - 3½" Stem: Precision die cast Zamac alloy.
  - 6" Stem: Precision die cast Zamac alloy with brass extension.
  - For thermowell connections only.
- ADJUSTABLE JOINT & CONNECTING THREAD: Hi-impact ABS
- RANGE: -50-300°F & -45-150°C, with F/C switch
- DISPLAY: 1/2" LCD digits, wide ambient formula
- ACCURACY: 1% of reading or 1°, whichever is greater
- RESOLUTION: 1/10° between -19.9-199.9°F (28-93°C)
- RECALIBRATION: Through case potentiometer adjustment
- LUX RATING: 10 Lux (one foot candle)
- UPDATE: 10 seconds
- SENSOR: Glass passivated thermistor – NTC
- AMBIENT OPERATING TEMPERATURE: -30-140°F (-35-60°C)
- AMBIENT TEMPERATURE ERROR: Zero
- OPERATING HUMIDITY: 100%

FEATURES

- Environmentally-Friendly
- Fully Light Powered with Fast Response
- Switchable Between °F & °C
- Single Range Covers Chilled, Condenser, and Hot Water Applications



MARKETS

- Commercial & Institutional HVAC Systems
- Hot & Chilled Water Applications
- Glycol Systems
- Boilers
- Air Ducts

® Vari-Angle is a registered trademark of Weiss Instruments LLC

*Patent No. 5,196,781

DVU-01.24

DVU Series

The Weiss patented*, Digital Vari-angle® Thermometer maintains the strict requirements for thermometers in hydronic applications in that they're self-powered and within 1% accuracy. This reliable series of digital thermometers offers the added feature of stem assemblies for direct replacement of mercury-in-glass types where environmental concerns exist. Whether on new installations or replacements, our Vari-angle ® Digital Thermometers include the same level of quality that the industry associates with the Vari-angle ® trademark and all Weiss Products.

STANDARD RANGE

Code	°F Range	°C Range	Accuracy
One Single Range for All Applications			
None	-50/300°F	-45/150°C	Greater of 1% or 1°F

OPTIONS (consult factory)

- 6" Air Duct Stem
- E Series Thermowells
  - DVU35 – select from 3.5" Stem
  - DVU6 – select from 6" Stem

ORDERING CODES

Model	
DVU35	3½" Stem
DVU6	6" Stem
DVU9	9" Stem
DVU12	12" Stem
DVD6	6" Air Duct Stem

DVUT Series

Vari-Angle® Self-Indicating Temperature Transmitter

SPECIFICATIONS

- STEM: Full conformance with Fed Spec GG-T-321D. Fully interchangeable with Industrial glass thermometers. Precision die cast Zamac alloy (6” & longer stem has brass extension). For thermowell connections only.
- CASE, ADJUSTABLE JOINT & CONNECTING THREAD: Hi-impact ABS
- RANGE: -50-300°F & -45-150°C, with F/C switch
- DISPLAY: 1/2“ LCD digits, wide ambient formula
- ACCURACY: greater of 1% of reading or 1°
- RESOLUTION: 1/10° between -19.9-199.9°F (28-93°C)
- RECALIBRATION: Through case potentiometer
- LUX RATING: 10 Lux (one foot candle) UPDATE:
- 10 seconds
- SENSOR: Glass passivated thermistor – NTC
- AMBIENT OPERATING TEMPERATURE:
- -30-140°F (-35-60°C)
- AMBIENT TEMPERATURE ERROR: Zero
- OPERATING HUMIDITY: 100%TRANSMITTER:
-
  - OUTPUT: 4-20mA
  - AMBIENT: -15-185°F (-25-85°C)
  - AMBIENT ERROR: 0.01% of Span (°C)
  - SUPPLY: 8 to 35VDC
  - MAXIMUM LOAD RESISTANCE: 775Ω with 24VDC Supply
  - ACCURACY: 0.1% of Span SENSOR:
  - Platinum 100Ω RTD

FEATURES

- Environmentally-Friendly
- Between °F & °C
- Compatible with most Building Automation Systems with 4-20mA input.



MARKETS

- Commercial & Institutional HVAC Systems
- Hot & Chilled Water Applications
- Glycol Systems
- Boilers
- Air Ducts

® Vari-Angle is a registered trademark of Weiss Instruments LLC

*Patent No. 5,196,781

DVUT Series

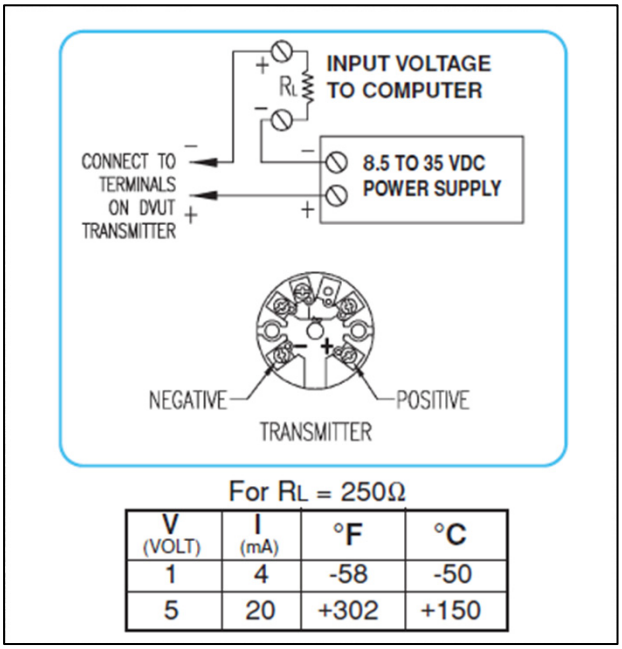
Introducing the first "self-indicating" temperature transmitter that is light powered. Combining Weiss's patented mercury-free Solar Industrial Thermometer with a loop-powered 4 to 20mA transmitter results in a single unit that allows local reading and remote transmitting for HVAC systems, building automation or anywhere local and remote readings are required. Dual sensors offer independent operation for reliability and convenience. The DVUT requires one thermowell which saves time and money without sacrificing performance.

STANDARD RANGE

Code	°F Range	°C Range	Accuracy
One Single Range for All Applications			
None	-50/300°F	-45/150°C	Greater of 1% or 1°F

OPTIONS (consult factory)

- 6" Air Duct Stem
- E Series Thermowells
  - DVU35 – select from 3.5" Stem
  - DVU6 – select from 6" Stem



For RL = 250Ω

V (VOLT)	I (mA)	°F	°C
1	4	-58	-50
5	20	+302	+150

ORDERING CODES

Model	
DVUT35	3½" Stem
DVUT6	6" Stem
DVUT9	9" Stem
DVUT12	12" Stem
DVDT6	6" Air Duct Stem

DWYEROMEGA™
Improving the world, one measurement at a time.™
dwyeromega.com