

# WEISS INSTRUMENTS

## Vari-angle® Self-indicating Temperature Transmitter

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.



<b>CASE</b>	Hi-impact ABS
<b>RANGE with F/C Switch</b>	-50/300°F (-45/150°C)
<b>DISPLAY</b>	1/2" LCD digits, wide ambient formula
<b>ACCURACY</b>	1% of reading or 1° whichever is greater
<b>RESOLUTION</b>	1/10° between -19.9/199.9°F
<b>RECALIBRATION</b>	Through case potentiometer adjustment
<b>LUX RATING</b>	1 Lux (1 foot-candle)
<b>UPDATE</b>	10 seconds
<b>AMBIENT OPERATING</b>	-30/140°F (-35/60°C) & 100% HR
<b>AMBIENT TEMP ERROR</b>	Zero
<b>HUMIDITY</b>	100%
<b>SENSOR</b>	Thermistor based - NTC

### STEM ASSEMBLIES

#### INDUSTRIAL GLASS

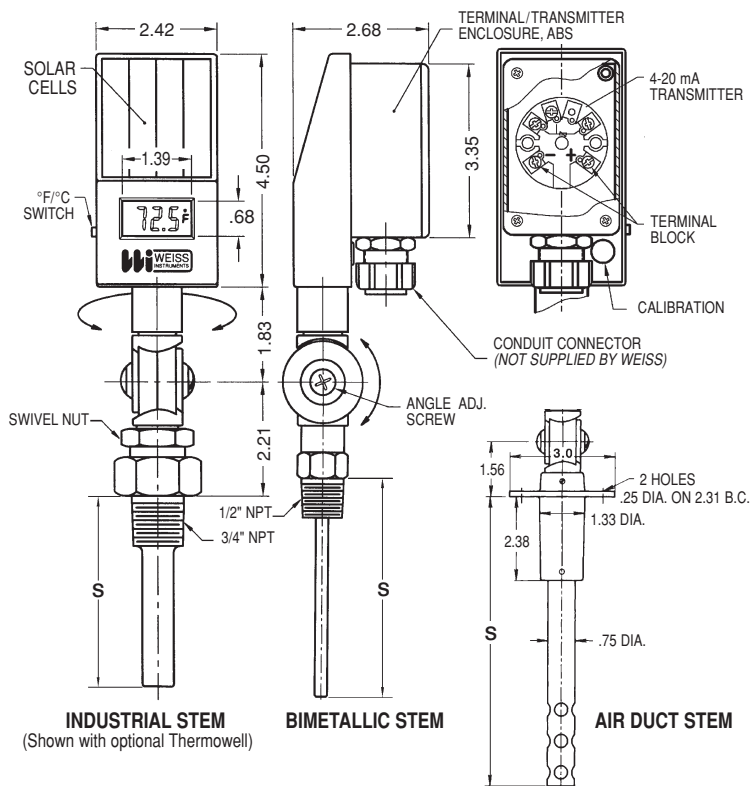
Full conformance with Fed Spec GG-T-321D. Fully interchangeable with Industrial Glass Thermometers

#### BIMETALLIC

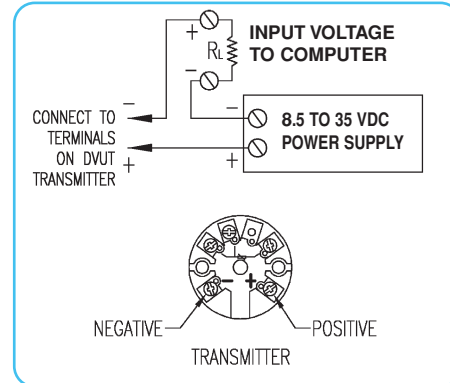
Full conformance with ASME B40.3 - 1990. Fully interchangeable with Bimetallic Dial Thermometers

### TRANSMITTER

<b>RANGE</b>	-58/302°F (-50/150°C)
<b>OUTPUT</b>	4 to 20mA
<b>OPERATING AMBIENT</b>	-15/185°F (-25/85°C)
<b>AMBIENT ERROR</b>	.01% Span (°C)
<b>SUPPLY</b>	8 to 35VDC
<b>MAX. LOAD RESISTANCE</b>	775Ω with 24VDC Supply
<b>ACCURACY</b>	0.1% of Span
<b>SENSOR</b>	Platinum 100ΩRTD



Compatible with most Building Automation Systems with 4-20mA input.



For  $R_L = 250\Omega$

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

INDUSTRIAL GLASS THERMOMETER STEM ASSEMBLY			
CATALOG NO.	STEM	S Dim.	IDN
DVUT35	31/2"	31/2"	62400
DVUT6	6"	5"	62401
BIMETAL DIAL THERMOMETER STEM ASSEMBLY			
CATALOG NO.	S Dim.	IDN	
DVBMT25	21/2"	62402	
DVBMT4	4"	62403	
DVBMT6	6"	62404	
AIR DUCT STEM ASSEMBLY			
CATALOG NO.	S Dim.	IDN	
DVDT6	6"	62405	
DVDT9	9"	62406	
DVDT12	12"	62407	

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