

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.



CASE	Hi-impact ABS
RANGE with F/C Switch	-50/300°F (-45/150°C)
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
RECALIBRATION	Through case potentiometer adjustment
LUX RATING	1 Lux (1 foot-candle)
UPDATE	10 seconds
AMBIENT OPERATING	-30/140°F (-35/60°C) & 100% HR
AMBIENT TEMP ERROR	Zero
HUMIDITY	100%
SENSOR	Thermistor based - NTC

STEM ASSEMBLIES

INDUSTRIAL GLASS

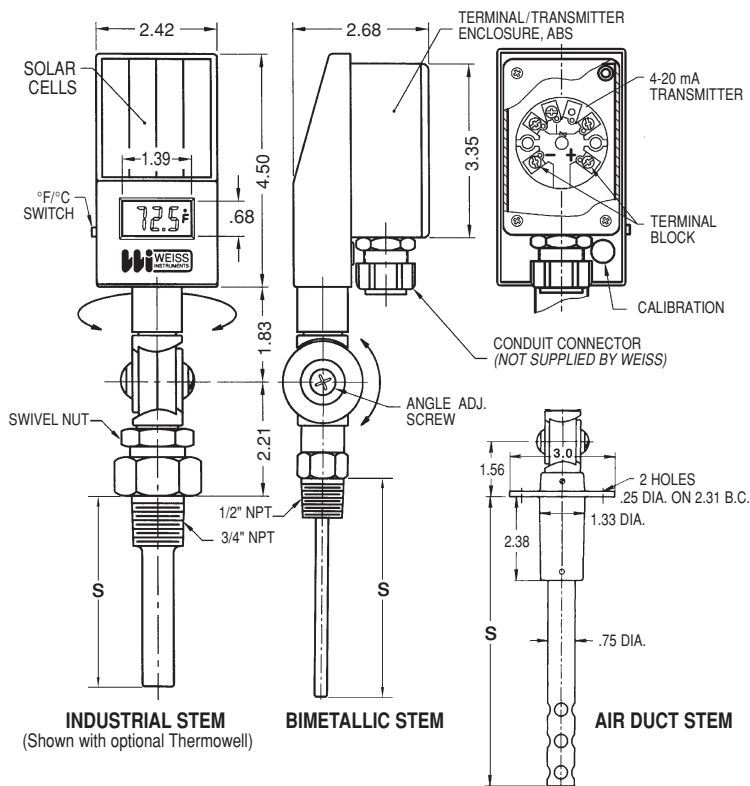
Full conformance with Fed Spec GG-T-321D. Fully interchangeable with Industrial Glass Thermometers

BIMETALLIC

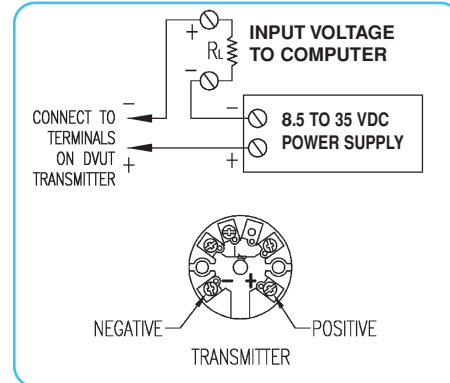
Full conformance with ASME B40.3 - 1990. Fully interchangeable with Bimetallic Dial Thermometers

TRANSMITTER

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