



WT-9200 Series Watt Transducer

TECHNICAL
SPECIFICATION



**Want a 4-20 mA or 0-10 V
output from a
Watt Transducer?**

Westec Instruments Watt Transducers are our cost effective answer to monitoring wattage draw in even the most demanding industrial environments.

TECHNICAL SPECIFICATIONS

Power Supply: 105 to 125 VAC, 50/60 Hz @ 4VA

Input

Power Range: 0 to 1000 Watts Nominal
3 Phase, 3 Wire, 120 Volt
5 Amps per element

Input Voltage: 0 - 120 Volts Nominal

Potential Burden: Approximately 0.25 VA @ 120 VAC

Input Current: 0 - 5 Amps Nominal, Linear to 7.5 A

Current Burden: Approximately 0.02 VA

Power Factor Range: Unity to zero lead or Zero Lag

Overloads: Voltage - 200 Volts Maximum
Current - 10 Amps Continuous
50 Amps for 10 Seconds
250 Amps for 1 Second

Terminal Blocks: 300 Volts Maximum Rating

Repeatability: +/- 0.1% of Full Scale

Linearity: +/- 0.25% of Full Scale

Temperature

Recommended: - 4 to + 150 degree F

Permissible: - 40 to + 150 degree F

Note: The maximum effect on accuracy of the temperature variation limits above is +/- 0.25% of full scale.

Dielectric Test 1500 Volts RMS

Adjustments

Zero: Permits elevation or suppression of the Output Zero from 0 to +/- 40% of full span

Span: Allows output full scale calibration from 0 to 250 through 0 to 1040 watts total

Damping: Permits selection of the time required for the output to settle to a steady value after a change of input signal. Response time is variable 0.25 seconds to 2.0 minutes.

Output

Current: Standard - 4 to 20 mA into a maximum load of 750 ohms

Voltage: Optional - 0 to 10 VDC into a minimum load of 1000 ohms, with an external 450 ohm resistor

Special: Optional - Current or voltage outputs calibrated to customer specifications.

Required information for custom calibration:

PT Ratio

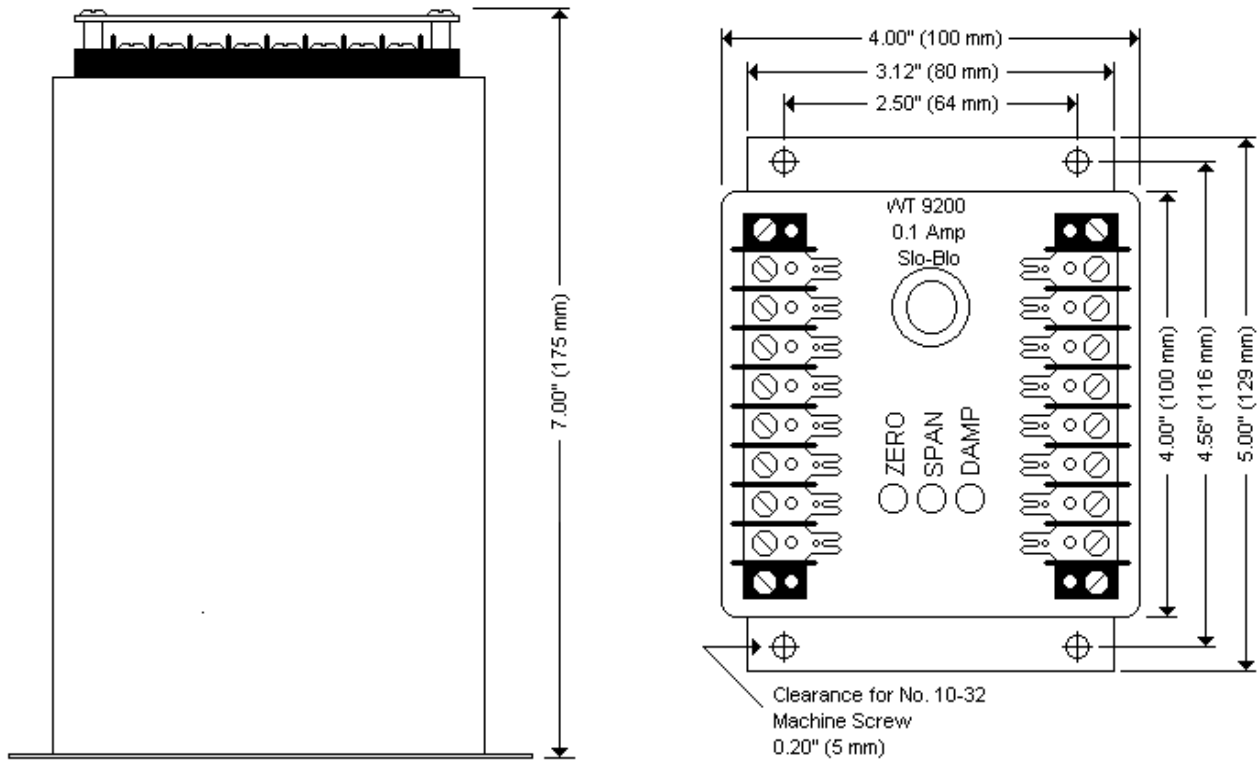
CT Ratio

Full Scale Watts

Note: Outputs are floating and either or neither side of the circuit may be grounded.



DIMENSIONAL DRAWING



INDUSTRIES SERVED AND COMMON APPLICATIONS

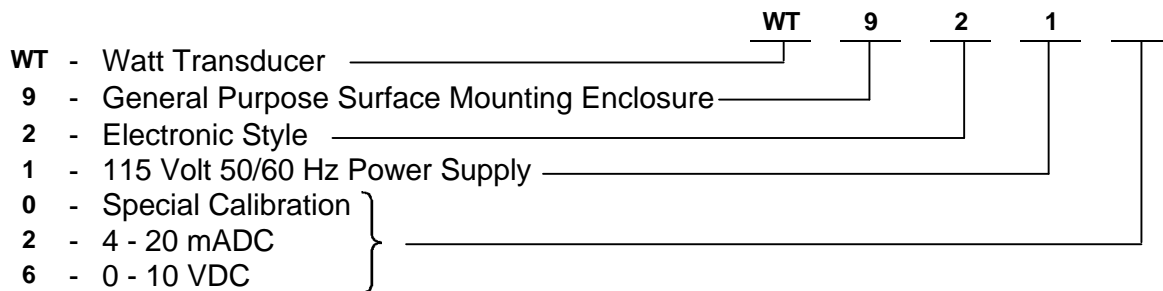
INDUSTRIES SERVED

Cement, Mining, Power, Milling, Food & Beverage, Chemical, etc.

COMMON APPLICATIONS

Bucket Elevators, Belt Conveyors, Crushers, Ball Mills, etc.

EQUIPMENT SELECTION



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