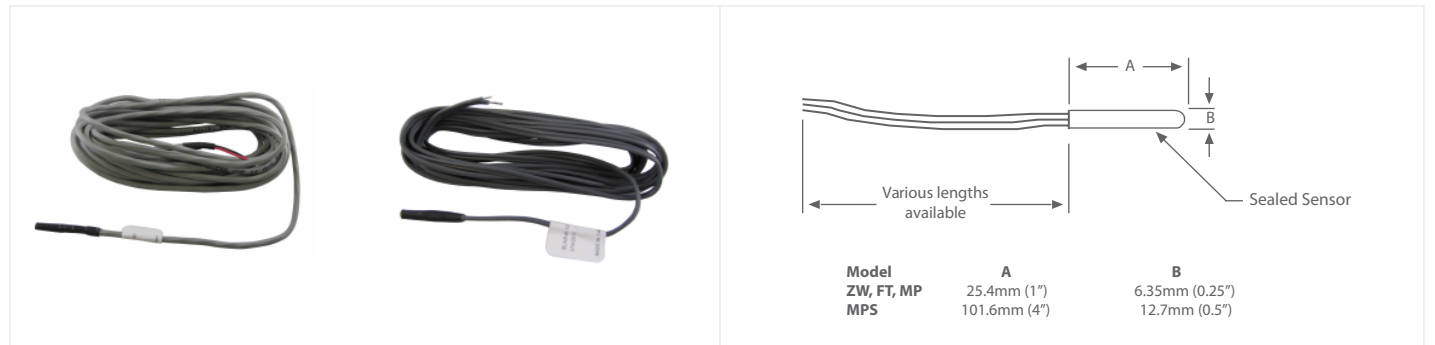




SLAB TEMPERATURE SENSOR



TE200SL SERIES

PRODUCT DESCRIPTION

The TE200SL single point slab temperature sensor utilizes a precision sensor encapsulated in a thermal conductive coating (ZW, FT & MP) and used to measure the temperature of a concrete slab. The MPS is encapsulated and potted in a 12.7 mm (0.5")D X 101.5 mm (4")L double walled, S/S probe that allows for total liquid submersion. They are available with various sensor types, wire types and lengths. All probes are constructed to provide excellent heat transfer, fast response and to resist moisture penetration.

TYPICAL INSTALLATION

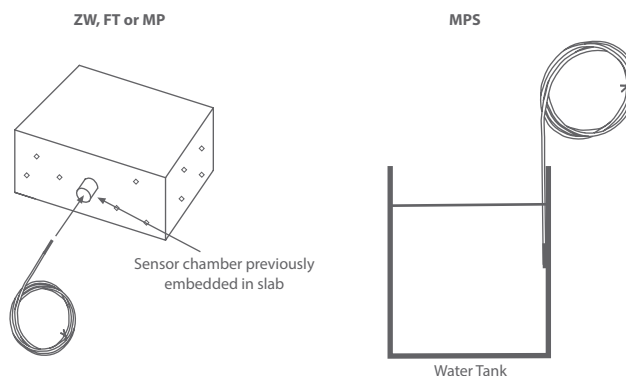
For complete installation and wiring details, please refer to the product installation instructions.

ZW, FT & MP: Typically a predetermined area is defined where the temperature reading is required. During concrete installation a sufficient length of conduit or copper tubing is imbedded from this point to an area that will be accessible once complete. At the entrance to the sensor chamber, unravel the TE200SL and carefully insert sensor and feed into chamber until the chamber end is reached.

MPS: Unravel the sensor and lower the probe in the tank until below the liquid line or at desired depth. Secure cable to maintain depth. The probe may also be attached to the tank wall with some form of clamp at desired depth.

SPECIFICATIONS

SENSOR TYPE	Various Thermistor or RTD
TEMPERATURE RANGE	ZW: -20 to 105°C (-4 to 221°F) FT: -20 to 60°C (-4 to 140°F) MP/MPS: -20 to 80°C (-4 to 176°F)
WIRE MATERIAL	ZW: PVC Zip wire, 22 AWG FT: Plenum rated FT-6, 22 AWG MP: EPC Moisture proof, 20 AWG MPS: EPC Moisture proof, 20 AWG
PROBE	MPS: Double walled, 304 S/S, 12.7mm D x 101.5mm L (0.5" x 4")
TERMINATION	Pigtail 2 or 3 wire
COUNTRY OF ORIGIN	Canada





ORDERING			PART NUMBER
PRODUCT	TE200SL	Slab Temperature Sensor	TE200SL
SENSOR	2	100 Ω Platinum, IEC 751, 385 Alpha, thin film	
	5	1801 Ω NTC Thermistor, $\pm 0.2^{\circ}\text{C}$	
	6	3000 Ω NTC Thermistor, $\pm 0.2^{\circ}\text{C}$	
	7	10,000 Ω Type 3, NTC Thermistor, $\pm 0.2^{\circ}\text{C}$	
	8	2.252K Ω NTC Thermistor, $\pm 0.2^{\circ}\text{C}$	
	12	1000 Ω Platinum, IEC 751, 385 Alpha, thin film	
	13	1000 Ω Nickel, Class B, DIN 43760	
	14	10,000 Ω Type 3, NTC Thermistor, $\pm 0.2^{\circ}\text{C}$ c/w 11K shunt resistor	
	20	20,000 Ω NTC Thermistor, $\pm 0.2^{\circ}\text{C}$	
	24	10,000 Ω Type 2, NTC Thermistor, $\pm 0.2^{\circ}\text{C}$	
WIRE TYPE	ZW	PVC Zip Wire - 22 AWG (Not available on Typ 2, 100 Ω Platinum)	
	FT	Plenum rated FT-6 - 22 AWG	
	MP	Moisture Proof Burial - 20 AWG	
	MPS	Moisture Proof Submersible - 20 AWG	
WIRE LENGTH	5	1.5m (5')	
	10	3m (10')	
	25	7.6m (25')	
	50	15.25m (50')	
	100	30.5m (100')	
	**	Custom, please contact Greystone	

NOTE: Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.