

TYPICAL SIGNAL OUTPUT CHARACTERISTICS OF 1 mV/V FULL SCALE RATED TENSION SENSOR

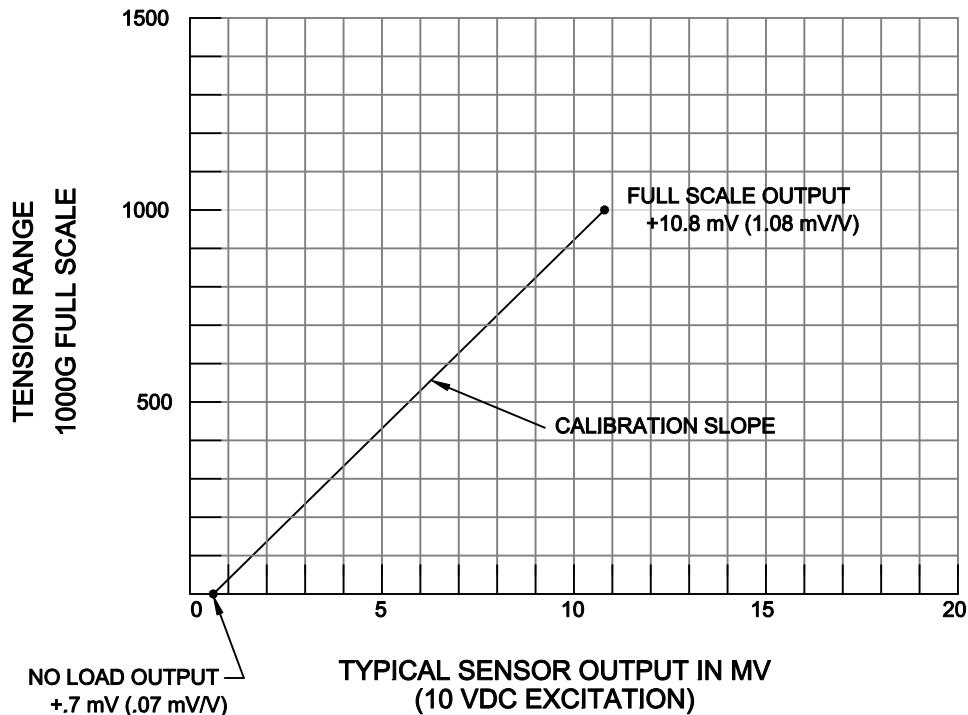


FIGURE 12

DEFINITIONS

NO LOAD OUTPUT:	Output signal from sensor after installation with rollers, shafts and hardware installed.
FULL SCALE OUTPUT:	Output signal from sensor after tensioned material threaded through rollers and calibration weight equal to full scale tension capacity hung at end of material.
MILLIVOLT PER VOLT:	Output in millivolts per volt of excitation (mV/V)
SIGNAL SPAN:	The algebraic difference between the output signal at full scale and the signal at no load.
MATERIAL TENSION:	Longitudinal tension applied to material traveling between points in a material process path.
SENSOR FORCE:	Force created at a fixed point by the tensioned material when the material path is deflected by fixed angles on either side of the tension sensor force axis.
WRAP ANGLE:	The sum of the deflection angles of the material path on either side of the sensor force axis.