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.