INTERFACE WIRELESS CHEAT SHEET

COMMON ABBREVIATIONS

pound-force	lbf	**Volt (Direct Current)**	VDC
kilopound-force	K lbf	**Millivolt per Volt**	mV/V
Newton	N	**Full Scale**	FS
kilonewton	kN	**Ohm**	Ω
gram-force	gf	**Megohm**	MΩ
kilogram-force	kgf	**Milliampere**	mA
kilogram	kg	**Rated Output**	RO
hertz	Hz	**Degree Fahrenheit**	°F
kilohertz	kHz	**Degree Celsius**	°C

MEASUREMENT SPECS

Strain Gage Excitation System	The power sent to the strain gauges so they can work and measure force
Nonlinearity Before Linearization	The difference between "Output" at a specific load and the corresponding point on the straight line drawn between "Minimum Load" and "Maximum Load"
Internal Resolution/Bits	How finely the system can digitally count measurements (more bits = more detail)
Noise Free Resolution	The smallest real measurement change you can see without noise
Transmission Rates	How fast measurement data is sent out

TEMPERATURE PERFORMANCE

Storage Temperature	Safe temperature range when powered off
Operating Temperature	Temperature range for accurate operation
Operating Humidity Range	Allowable humidity during use
Offset Temperature Stability	How much zero reading changes with temperature
Gain Temperature Stability	Ability of an electronic component or system (such as an amplifier) to maintain a consistent gain (amplification factor) despite changes in its operating temperature
Maximum Humidity	The highest humidity level the device can safely handle

ELECTRICAL POWER

Excitation Voltage	Power that is supplied to the sensor
Input Resistance	The resistance of the load cell circuit measured at the excitation terminals with no load applied and with the output terminals open-circuited
Output Resistance	The resistance of the load cell circuit measured at the SIGNAL terminals with no load applied and with the excitation terminals open-circuited
Power Supply	Power that is supplied from a battery or converted from a wall outlet that is stable and noise free to be used to power the sensor or instrument
Power Consumption	The rate at which electrical energy is used by a device or system
Battery Life	How long the instrument runs on a battery

MECHANICAL

Weight	How much the instrument itself weighs
Dimensions	Physical size details
Display	The screen that shows measurements and status
Material	What the instrument is made of
Connectors Type	Type of electrical interface or connection method

RADIO

Radio Type	What wireless method the device uses (like Bluetooth or Wi-Fi)
Radio Frequency	The wireless frequency band the device communicates on
Transmit Power	How strong the wireless signal is when it's sent out

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