OLSON
ENGINEERING SOLUTIONS

INSTRUMENTS AVAILABLE

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TYPE	DESCRIPTION	MANUFACTURER	MODEL
Alloy Composition Analyzer	Complete chemical analysis of alloys using X-ray fluorescence (XRF) technology.	OLYMPUS	Vanta Element
Carbon Content Composition Analyzer	Complete chemical analysis of carbon in a material using Laser-induced breakdown spectroscope (LIPS) technology. Can identify carbon content to identify "L" series alloys.	SciAps	Z-901 Csi
Ultrasonic Flow and Energy Meter	Flow Meter is a compact and lightweight flow meter, offering high performance and easy operation for the noninvasive measurement of flow rates in pipes. Used for low particle liquid fluids for 1/2" to 48" piping. Includes temperature probes to measure BTU/Hr of your heating or cooling system.	Fuji Electronics	FSCS, FSC-4, FSS-1, FSD-1
Doppler Flow Meter	Used for liquids with high particles and bubbles.	Dynasonics	DYJ-DXNP
Ultrasonic Gas Flow Meter	Used to measure compressed gases in pipes.	Panametrics	PT878GC
Drone	Used for photo and video photography.	Multiple	-
3D Scanner	Used for small parts reverse engineering.	peel 3d	peel 3.CAD
Moisture Meter	Inspect moisture content of your facility walls, framing, etc.	KLEIN TOOLS	ET140
Nitrogen Gas Detector	Detection of percent nitrogen in air.	Forensics	FD-600-N2
pH probe	High accuracy 0-14 pH measurement probe.	Multiple	-
TDS and Conductivity Meter for Water	Measures TDS, conductivity, and temperature of water.	Health Metric	TDS&EC METER 2.0
Flue Gas Detector	Accurate readings of O2, CO2, ambient CO, draft and pressure, temperature and combustion efficiency.	Multiple	-
Outlet Tester	Inspect function or outlet and ground-fault circuit interrupter (GFCI) outlets.	KLEIN TOOLS	RT210
EMF Detector	Electro magnetic frequencey (EMF) detector.	ERICKHILL	RT-100
Decibel Meter	Audio noise measure device.	RISEPRO	HT-80A
Dew Point Meter	Measures the dew point, relative humidity, surface temperature, and atmospheric temperature.	PosiTector	DPM
Temperature Sensor	Temperature transducer to measure the surface temperature directly.	PosiTector	Temperature Transducer Probe
Digital Anemometer	Reads air velocity, flow (cfm), and other psychrometric properties.	TOPTES	TS-301
K/J Thermometer	A Type K/J thermocouple temperature sensor containing Chromel and Alumel conductors, that meets the output requirements as stated in ANSI/ASTM E230 or IEC 60584 for Type K thermocouples.	GAIN EXPRESS	THE-343
Air Pressure and Flow Meter	Measure pressure drops across key HVAC equipment to drive peak performance and extend equipment life. Match ventilation to occupant loads. Monitor indoor vs. outdoor pressure relationships and manage the building envelope.	FLUKE	922
Surface Roughness Meter	Surface roughness measurement instrument that displays Ra values and other roughness values profile. Typically used for piping surfaces.	Mitutoyo Corporation	ST-210
Ultrasonic Thickness Gauge	Accurately verify thickness of tanks and piping.	PosiTector	UTG
Shore Hardness Durometer	Measures the indentation hardness of non-metallic materials.	PosiTector	SHD
Surface Profile Gauge	Digital depth micrometer measures and records peak to valley surface profile heights for blasted steel, textured coatings and concrete profile.	PosiTector	SPG
Coating Thickness Gauge	Accurately measures on non-magnetic coatings on ferrous metals (such as steel), and non-conductive coatings on non-ferrous metals (such as aluminum, copper, and some grades of stainless steel)	PosiTector	6000
Thermal Imager	Displays unseen hot and cold spots for instant troubleshooting.	KLEIN TOOLS	TI250
IR Thermal Imager	Measures temperature directly with IR signals and gives a image or video of the temperature profile.	FLUKE	TiR125
IR Thermometer	Safely and accurately measures the surface temperature of an object at a distance using IR signals.	KLEIN TOOLS	IR1
360 Camera	Can create 360 images or videos for facility walkthroughs.	Insta360	one RS 1-inch
Angle Gauge	Digital angle gauge to tell you the exact slope of piping.	ALLmeter	ALL006/ DL 1908
Laser Measure Tool	Laser measure tool to quickly create plots and plan views.	BOSCH	BLAZE
Color Analyzer Meter	Measure color of any surface and gives a HEX or RGB code.	BELEY	WR10QC
Borescope	Video and audio for borescope inspections.	Multiple	-
Pressure Data Logger	Pressure & temperature indicator that logs data. Used for all piping fluids. Also, can be used for calibration. Reads up to 3,000 PSIG.	FLUKE	700RG29
Pressure Data Logger	Pressure & temperature indicator that logs data. Used for all piping fluids. Also, can be used for calibration. Reads up to 300 PSIG.	FLUKE	700G27
Pressure Data Logger	Pressure & temperature indicator that logs data. Used for all piping fluids. Also, can be used for calibration. Reads up to 100 PSIG.	FLUKE	700G06
FTIR Spectrometer	Identification of organic materials.	ThermoFisher	Nicolet Summit X FTIR
USB Digital Meter	Digital multimeter for USB-A and USB-C. Displays current and voltage.	KLEIN TOOLS	ET920