

# SENSOR SELECTOR GUIDE



phone: 440-378-6580 toll free: 800-903-9870  
 fax: 440-238-0660 toll free: 800-903-9590  
 web: weschler.com email: info@weschler.com

## for Physical Measurements

MEASUREMENT	RANGE	OUTPUT	TECHNOLOGY	MFGR	MODEL / SERIES	CATALOG PAGE
Carbon Dioxide (CO2)	2000/5000 PPM	4-20mA/0-5/0-10VDC	Non-dispersive Infrared	Veris	CDLS/CRLSXX	Call for info
Carbon Dioxide (CO2)	300-3000 PPM	Relay	Solid Electrolyte	Veris	CWS (Occupancy sensor)	Call for info
Carbon Dioxide (CO2)	2000 PPM	4-20mA/0-10VDC	Non-dispersive Infrared	Veris	CDE/CWE/CWVS	Call for info
Carbon Dioxide (CO2)	2%-20%, 2k-10k PPM	Voltage/Current	CARBOCAP	Vaisala	GMT221/222,GMD/W20	110
Carbon Monoxide (CO)	0-200 PPM	4-20mA/0-5/0-10VDC	MOS	Veris	GD/GW	Call for info
Count/Rate	0-2 kHz	NPN/PNP	Inductive Proximity/Photo elect	Kessler Ellis	D/PD series	Call for info
Flow	0.4-400 GPH	Frequency	Paddle wheel, infrared	Kobold	DPL	112
Flow	1.5-500 GPM, 6-1650 SCFM	4-20mA, switch	Target	Kobold	DPT	114
Flow	1-600 GPM	4-20mADC	Differential pressure	Kobold	RCD	113
Flow	0.5-4 m/s	4-20mADC	Thermal	Kobold	KAL	113
Flow	1-10Lpm to 50-500Lpm/Air	Frequency/PNP OC	Calorimetric	Kobold	DVK	Call for info
Flow	.13 to 8.5 GPM(Water)	Freq/4-20mA/NPN	Vortex	Kobold	DVZ	Call for info
Flow	0-200 GPM	4-20mADC	Vortex	Kobold	UV (transmitter only)	Call for info
Flow	0-10SCCM to 0-500 SLM	4-20mA/0-5V	Mass Flow	Kobold	MAS	Call for info
Flow	0.5-30 ft/sec	Frequency	insertion/Impeller	Veris	U001-0001 & 0002	Call for info
Flow	1.5-10 ft/sec	Frequency/4-20mA	insertion/Impeller	Veris	U001-0016 to 0022	Call for info
Flow	.5-30 ft/sec	Frequency	Impeller/Metallic Tee	Veris	U001-0006 & 0007	Call for info
Flow	.3-15 ft/sec	Frequency	Impeller/Metallic Tee	Veris	U001-0008 to -0012	Call for info
Force/Weight Load Cells	50g-750k lbs/Comp-Tens	Voltage	Strain gauge/Wheatstone Bridge	Newport	LC	116
Humidity/Dewpoint	-40 to +356°F	Voltage/Current/Serial	HUMICAP/RTD	Vaisala	HMP235	Call for info
Humidity/Temperature	0-100%RH/-40 to +80°C	Voltage/Current/Serial	HUMICAP/RTD	Vaisala	HMP333	111
Humidity/Temperature	0-100%/-40 to +356°F	Analog/Serial	HUMICAP/RTD1000	Vaisala	HMT360 Intrinsically Safe	Call for info
Humidity/Temperature	0-100%/-58 to 122F	4-20mA/0-5/0-10VDC	Thin film capacitive/RTD/Therm	Veris	HD/HO/HW/HN/HP	Call for info
Humidity/Temperature	0-100%/-40 to 122F	4-20mA/0-5/0-10VDC	Thin film capacitive/RTD/Therm	Veris	HED/HEO	Call for info
Humidity/Temperature	0-100%/50 to 95F	4-20mA/0-5/0-10VDC	Thin film capacitive/RTD/Therm	Veris	HEW/HT	Call for info
Length	12"/13.12" Wheel	Square wave	Shaft encoder	Kessler Ellis	700 series	Call for info
Length	12" Wheel	Quadrature	Shaft encoder	Simpson	46012	Call for info
Level	24.5 feet	4-20mADC	Ultrasonic	Kobold	NUS/NEO	100
Level	N/A	Switch contact	Magnetic	Kobold	NC/NS/NAE/NNE	Call for info
Level	Multi/Continuous	Contact	Reed switch	Madison	M/C	Call for info
Level	1-19.8 Ft	Variable Resistance	Resistance Chain	Kobold	NM	Call for info
Level	12-98 Inches	4-20mADC	Magnetostrictive	Kobold	NMT	Call for info
Level	0-20 Feet	4-20mADC	Capacitive	Kobold	NRF	Call for info
Level, Deep Well	200 Meter W.C.	4-20mADC	Differential pressure	Kobold	NTB	Call for info

MEASUREMENT	RANGE	OUTPUT	TECHNOLOGY	MFGR	MODEL / SERIES	PAGE
Level Switch	Conductive	Relay	Electrodes	Kobold	NE	Call for info
Level Switch	Conductive	Relay/Transistor	Electrodes	Kobold	NEK	Call for info
Level Switch		SPDT Relay	Ultrasonic	Kobold	NQ/NK	Call for info
Level Switch		Solid state switch/Relay	Vibrating tuning fork	Kobold	NWS/NWP/NVI	Call for info
Level Switch		NPN	Optical	Kobold	TED	Call for info
Level/Temperature	Single/Temperature	Contact	Reed switch	Madison	MT	Call for info
Liquid Level	Single/Multi level	Contact	Hermetically sealed reed switch	Madison	M	Call for info
Position	Application specific	Quadrature	Shaft encoder	ATC/Westcon	901/ENA/ENB	Call for info
Position	Application specific	Quadrature	Shaft encoder	Kessler Ellis	5800/9000/200/700	Call for info
Position	Application specific	Quadrature	Shaft encoder	Simpson	SE	Call for info
Position, Relative	0.2-0.7"	Contact	Proximity sensor	Madison	P	Call for info
Presence	1-35mm	Current	Capacitive proximity	ATC/Westcon	310/311/CR	Call for info
Presence	0.3-160 ft	Current	Laser photoelectric	ATC/Westcon	7700	114
Presence	32 ft, 500Hz max	NPN/Relay/Solid state	Photo electric	ATC/Westcon	7690/7680/7650/7640	Call for info
Presence	0.01-320mm	Transistor	Fiber optic	ATC/Westcon	7085/86/87/7069A/7400	Call for info
Presence	25 ft max	NPN/PNP	Photo electric	Kessler Ellis	PD series	Call for info
Pressure	2-300 PSIG	Voltage/Current	Piezoresistive	Noshok	612 Submersible	Call for info
Pressure Absolute	15 to 300 PSIA	4-20mA/0-5/0-10VDC	Piezoresistive/Thin film	Kobold	KPK	Call for info
Pressure Switch	30"VAC/15k PSIG	Switch/Contact	Bourdon/Electronic/Magnetic	Noshok	400/500/40.1	Call for info
Pressure Switch	30"VAC/15K PSIG	NPN/PNP	Sputtered Thin Film/Diffused semi	Noshok	600	Call for info
Pressure Switch	30"VAC to 5800 PSIG	NPN/PNP	Piezoresistive ceramic	Kobold	PDD	Call for info
Pressure Switch	(-14.5) to 6100 PSIG	SPDT snap action	Diaphragm/Piston	Kobold	KPH	Call for info
Pressure Switch/Diff	(-1) Bar to 30 Bar	SPDT Relay	Pressure operated	Kobold	KRT/KPS/KAS	Call for info
Pressure Transmitter	1-2000 PSI	4-20mADC	Ceramic capacitive	Noshok	700	Call for info
Pressure Transmitter	5-15000 PSIG, 5-250 PSIA	4-20mADC	Thin film/Piezoresistive	Noshok	750	X1
Pressure/Vacuum	30"VAC, 60k PSIG	Voltage/Current	Thin film/Piezoresistive	Noshok	100/200/300/600/615/616	101, 102
Pressure/Vacuum	30"VAC/60k PSIG	4-20mADC	Thin film/Piezoresistive	Noshok	625/626 Intrinsically Safe	Call for info
Pressure/Vacuum	30"VAC/7500 PSIG	Voltage/Current	Bourdon Tube/Hall Effect	Noshok	630	Call for info
Pressure/Vacuum	30"VAC/15k PSIG	Serial & Others	Thin film/Piezoresistive	Noshok	640	Call for info
Pressure/Vacuum	30"VAC/7500 PSIG	Voltage/Current	Thin film/Piezoresistive	Noshok	690 High Purity Gas	Call for info
Pressure/Vacuum	(-14.7) to 10K PSIG	4-20mA/0-5/0-10VDC	Silicon	Veris	PG/PV (HVAC/R)	Call for info
Pressure/Vacuum	30"VAC to 5800 PSIG	4-20mA/Digital display	Piezoresistive ceramic	Kobold	PDA	Call for info
Pressure/Vacuum	30"VAC to 7500 PSIG	4-20mA/0-5/0-10VDC	Piezoresistive ceramic	Kobold	SEN (digital display)	Call for info
Pressure/Vacuum	30"VAC to 15K PSIG	4-20mA/0-5/0-10VDC	Piezoresistive/Thin film	Kobold	KPK	Call for info
Pressure/Vacuum	30"VAC to 60K PSIG	4-20mA/0-5/0-10VDC	Piezoresistive/Thin film	Kobold	KPG	Call for info
Pressure/wet diff	5-250PSID	4-20mA/0-5/0-10VDC	uP profiled	Veris	PW (Non-corrosive)(wall mnt)	Call for info

MEASUREMENT	RANGE	OUTPUT	TECHNOLOGY	MFGR	MODEL / SERIES	PAGE
Rate	0-10K PPS	Quadrature	Shaft encoder	Simpson	SE	Call for info
Speed	0-100,000 RPM	ACV/DCV/Freq	Tachometer generator	ATC/Westcon	750/758	115
Speed	0-12000 RPM	Square wave	Shaft encoder	Kessler Ellis	5800/9000/200/700	Call for info
Speed	0-2 kHz	NPN/PNP	Inductive Proximity	Kessler Ellis	D Series	Call for info
Speed	0-6000 RPM	Quadrature	Shaft encoder	Simpson	SE	Call for info
Speed/Presence	999k RPM/.01" to 50ft	Pulse or analog	Proximity /Laser/Photo optic	Monarch	ROS,P, IRS,MT,RLS	115
Switching, Non-Contact*	1000Hz max	Switch contact	Magnetic	Kessler Ellis	KR/KW/GM/MR/DR/FL/FW/FG	Call for info
Temperature	K,J,T & RTD	Millivolts	Thermocouple/RTD	Madison	T	Call for info
Temperature	-328 to +4200°F	Millivolts	Thermocouple/RTD	Newport		Call for info
Temperature	-328 to +4200°F	Millivolts	Thermocouple/RTD	Pyromation	Standard types	109, 110
Temperature	0 to 1000°F	J,K,Voltage,Current	Infrared	Raytek	Ci, MID	107, 108
Temperature	-13 to 221F	4-20mA	RTD/Thermistor	Veris	TC (Ceiling & recessed mnt)	Call for info
Temperature	-58 to 122F	4-20mA/0-5/0-10VDC	RTD/Thermistor	Veris	T (Duct mount sensors)	Call for info
Temperature	-13 to 221F	4-20mA or millivolt	RTD/Thermistor	Veris	TI (immersion)	Call for info
Temperature Transmitter	-328 to +1112°F	4-20mADC	RTD	Kobold	TST, TMA	103
Temperature Integral Xmtr	-60 to 320F	4-20mADC	RTD	Pyromation	450 (PC Programmable)	Call for info
Temperature Switch	(-58) to 250F	NPN/PNP	Semi-conductor	Kobold	TDD (digital)	Call for info
Temperature Switch	0-250F	SPST Contacts	Thermally Triggered	Kobold	TWR	Call for info
Temperature Switch	14 to 212F	SPST Contacts	Bi-metal	Kobold	TBS	Call for info
Temperature Switch	(-40) to 300C	SPDT Contacts	Capillary Tube	Kobold	DTS	Call for info
Vibration	0-5 IPS	4-20mADC	Accelerometer	Alaron	VT	112
Water Leak	Conductive Fluid	Relay/RS232/485	Leak detection cable	Veris	MP	Call for info
Water Leak	Conductive Fluid	Relay	Leak detection cable	Veris	MXB/MX1	Call for info

\*for counting, speed measurement, presence, etc.

**Weschler offers a wide variety of analog and digital meters for use with these sensors. Some meters also include built-in sensors. Our sales specialists can help you select a sensor and/or meter for local or remote indication.**