

2018 "World Pro" Sensor PRODUCTS LIST + References TEMPERATURE SENSORS : IR, Thermocouple Amplifier, Liquid & RTD-PT100/1000

References / Item ID	Specifications
IRN Series	
IRN-RC x channels	Flexible IR Tire temp sensor - 392°F - CAN output 3 channels + MCB 4 channels + MCB 5 channels + MCB 6 channels + MCB 7 channels + MCB 8 channels + MCB
IRN-RC-WS	Wireless transmitter module 868, 902 or 915MHz
IRN8C-200-(F1/F2) IRN4C-200-F1	8 channels IR tire temp sensor- lens 0° - CAN output 4 channels IR tire temp sensor- lens 0° - CAN output 200°C (392°F) 200°C (392°F)
IRN8-WS	8 channels IR sensor - Wireless Tyres tread & Inner liner CAN Output
IRDLF-V90 IRDLF	Air box fire detector - analog output Steel rotor IR sensor - Digital output 800 (1472°F) - Photodiode sensor From 200 to 1200°C (392 to 2192°F)
IRN2-(V/T) IRN2-INOX	IR sensor - Digital output - M12 or Rectangular IR sensor - Digital output - M12 Cylinder Robust From 100 to 1200°C (212 to 2192°F)
IRN3 IRN3-HT	IR sensor-digital output - M12 Cylinder Track temp IR sensor-digital output - M12 Cylinder High operating temp From 100 to 300°C (212 to 572°F) From 100 to 300°C (212 to 572°F)
INF(V/T) - 150 INF(V/T) L - 200 INF(V/T) - 1000 INF(V/T) - 1200	Infrared Temperature Sensor - Rectangular or M12 150°C (302°F) non linear 200°C (392°F) linear output 1000°C (1832°F) non linear 1200°C (2192°F) non linear
INF-T-1000-MC	Infrared Temperature Sensor - Rectangular 1000°C(1832°F) non linear / Military Connector
INF-CLT- range	Clutch temperature sensor - analog output 500, 700, 1000 or 1200°C (932 to 2192°F)
IFbN-range-probe Fb-M4-20	Optic fiber IR - analog output Harsh envir. Spare probe for IFbN Harsh envir. From 200 to 1200°C (302 to 2192°F) M4 - 20mm
INFTS	Light housing version of our INFT From 150 to 1200°C (212 to 2192°F)
INF-V4	High operating temp INF, internal temp channel for temperature compensation From 150 to 1200°C (212 to 2192°F)

LIQUID TEMPERATURE

TS- 1/8 NPT - 150°C TS- M6 - 150°C TS- M8 - 150°C	Liquid Temperature sensor - analog output Thread : 1/8 NPT Range : 150°C (302°F) Thread : M6 Range : 150°C (302°F) Thread : M8 Range : 150°C (302°F)
PT-100 - M4 CTK	Caliper temperature - for Brembo / AP Racing / PFC Complete kit with amplifier Thread : M4 Range : 200 (392°F) 100Ω Probe + APT-100-270
PT-100 - 1/8 NPT PT-1000 1/8 NPT	Liquid Temperature sensor - Platinum element Thread : 1/8 NPT Range : 200 (392°F) 100Ω Thread : 1/8 NPT Range : 200 (392°F) 1000Ω

AMPLIFIER (Thermocouple, RTD and Piezo)

THAK - 200 THAK - 400 THAK - 1000 THAK - 1250	Thermocouple Amplifier - analog output K type - 50/200°C (-58/392°F) K type - 100/400°C (-148/752°F) K type - 0/1000°C (32/1832°F) K type - 0/1250°C (32/2282°F)
THN-Junction-Range	Digital Thermocouple Amplifier, Plastic housing High Accuracy Any Junction (K, J, T etc.) Any range
THN4x-CAN-Junction-Range	4 way Digital Thermocouple Amp - CAN output Any Junction (K, J, T etc.) Any range
THN2x-WS THN4x-WS	THN2x-Wireless - 2 channels THN4x-Wireless - 4 channels 868, 902 or 915MHz 868, 902 or 915MHz
THNF-A THNF-C	Thermocouple Amplifier - analog output Fast Freq. Thermocouple Amplifier - CAN output Fast Freq. Any Junction (K, J, T etc.) Any range Any Junction (K, J, T etc.) Any range
THNFx4-C THNFx8-C	4ch TC Amp - CAN output Fast Freq. 8ch TC Amp - CAN output Fast Freq. Any Junction (K, J, T etc.) Any range Any Junction (K, J, T etc.) Any range

All sensors but PCB type delivered with 1 m cable length


For price derating, do not hesitate to contact us

2018 "World Pro" Sensor PRODUCTS LIST + References
INERTIAL SENSORS : Accelerometers, Gyroscopes and IMU
CAN INTERFACES : Analog to CAN - CAN to Analog


References / Item ID	Specifications		
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ACCELEROMETERS


CAPACITIVE Technology

	AC - CAP1 - range	Capacitive Accelerometer - 1 axis (X or Y)	Range : ± 2 to ± 50 G
	AC - CAP2 - range	- 2 axis (XY)	Range : ± 2 to ± 50 G
	AC - CAP3 - range	- 3 axis (XYZ)	Range : ± 5 G, ± 10 G, ± 15 G, ± 20 G







GAS Technology

	AC - GAS1 - range	Gas Accelerometer - 1 axis (X or Y)	Range : ± 1 to ± 10 G
	AC - GAS2 - range	- 2 axis (XY)	Range : ± 1 to ± 10 G
	AC - GAS3 - range	- 3 axis (XYZ)	Range : ± 5 G or ± 10 G

GYROSCOPES






	GYRP-range	Gyroscope - 1 axis (X or Y)	Range : 50 - 100 - 150 °/s
	GYRN3-S-range	3-axis gyro with compact housing	Range : 50 - 100 - 150 °/s
	GYRN3-SF-range	3-axis gyro with compact housing / internal filter	Range : 50 - 100 - 150 °/s

INERTIAL MEASUREMENT UNITS


	IB3-range	3-axis box - gas or capacitive	± 1 , ± 2 G, ± 5 G and ± 10 G
	IB4-range	4-axis inertial box with analog output	2-axis gas accelerometer XY : ± 3 or ± 5 G 1-axis cap accelerometer Z : ± 5 to ± 20 G 1-axis gyroscope : ± 50 , ± 100 or ± 150 °/s for yaw measurement
	IB6-range	6-axis inertial box with analog output	2-axis gas accelerometer XY : ± 3 or ± 5 G 1-axis cap accelerometer Z : ± 5 to ± 20 G 3-axis gyroscope : ± 50 , ± 100 or ± 150 °/s
	IB6-CAN-range	6-axis inertial box with CAN output	2-axis gas accelerometer XY : ± 3 or ± 5 G 1-axis cap accelerometer Z : ± 5 to ± 20 G 1-axis gyroscope (x3) : ± 50 , ± 100 or ± 150 °/s
	RAD-6 	Inclinometer : 6-axis IMU + roll angle <u>Motorbike version</u>	3-axis gas accelerometer XYZ : ± 5 G 3-axis gyroscope : ± 300 °/s

CONVERTERS : Analog to CAN - CAN to Analog

Analog to CAN

	A-CAN DG-4	Converter of 4 analog signals to CAN	Programmable / SUB-D connector
	A-CAN DG-8	Converter of 8 analog and 2 digital signals to CAN	Programmable / SUB-D connector
	A-CAN DG-8 V2 with AAF	Converter of 8 analog signals to CAN	Programmable / Waterproof / LEMO connector
	A-CAN DG-8 V2 with AAF	Converter of 8 analog signals to CAN	Programmable / Waterproof / Flying lead
	A-CAN DG-8 V2 Without AAF	Converter of 8 analog and 2 digital signals to CAN	Programmable / Waterproof / LEMO connector
	A-CAN DG-8 V2 Without AAF	Converter of 8 analog and 2 digital signals to CAN	Programmable / Waterproof / Flying lead
	A-CAN DG-V4 	Converter of 16 analog or 8 strain gages & RTD	Programmable / Souriau connectors

CAN to Analog










	CTA	Converter Texys CAN sensors to 8 analog signals	Programmable / SUB-D connector
	CTA V2	Converter CAN to 8 analog signals	Programmable / Waterproof / LEMO connector

All sensors but PCB type delivered with 1 m cable length










2018 "World Pro" Sensor PRODUCTS LIST + References AERODYNAMICS / STRAIN GAUGE / GEAR SHIFT SENSORS

References / Item ID	Specifications		
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AERODYNAMICS

	PI-4 - range	Pitot sensor - 4 mm tube - Tube height 100 mm	Range from 12.5 to 76 mbar (0.18to 1,10 psi)
	PI-6 - range	Pitot sensor - 6 mm tube - Tube height 130 mm	Range from 50 to 76 mbar (0.72 to 1,10 psi)
	PI-6 - TcK - range	Pitot sensor - 6 mm tube - integrated air temp	Range from 50 to 76 mbar (0.72 to 1,10 psi)
	PI-6-L-range	Pitot sensor - 6 mm tube - 150 to 300mm	Range from 50 to 76 mbar (0.72 to 1,10 psi)
	YPI-6-range	Yaw pitot sensor - 6 mm tube - 150 to 300mm	Range from 50 to 76 mbar (0.72 to 1,10 psi)
	YPI-6-L-range	Yaw pitot sensor - 6 mm tube - 150mm or 300 mm	Range from 50 to 76 mbar (0.72 to 1,10 psi)
	TU-PI-4	Pitot tube (spare part)	Tube Std height 100mm
	TU-PI-6		Tube Std height 130mm / 5.10"
	TU-PI-6-L		Tube Height from 140 to 300 mm (5.5 to 11.8")
	TU-YPI-6		Yaw Pitot tube (Std 150mm / 5.90")
	TU-YPI-6-L		Yaw Pitot long tube (Std 300mm / 11.8")
	DPS - range	Differential Pressure Sensor - analog output	Range: ± 5 to ± 76 mbar ($\pm 0,07$ to $\pm 1,1$ psi)
		<i>Very low pressure measurement</i>	
	DPS4W- range	4 ways Differential Pressure Sensor - Analog	Range: ± 50 to ± 1000 mbar ($\pm 0,72$ to $\pm 14,5$ psi)
	4x PDIF- range	4 ways Differential Pressure Sensor - CAN output	Range: ± 50 to ± 1000 mbar ($\pm 0,72$ to $\pm 14,5$ psi)
	8x PDIF-S- range	8 ways Differential Pressure Sensor - CAN output	Range: ± 50 to ± 1000 mbar ($\pm 0,72$ to $\pm 14,5$ psi)
		<i>dedicated to Scanivalve connectors</i>	
	16x PDIF-CAN	16ch Differential Pressure Sensor - CAN output	Range: ± 50 to ± 1000 mbar ($\pm 0,72$ to $\pm 14,5$ psi)
	16x PDIF-CAN-R	16ch Differential Pressure Sensor - CAN output	Range: ± 50 to ± 1000 mbar ($\pm 0,72$ to $\pm 14,5$ psi)
x PDIF Options			
	4xPDIF Manifold	Manifold for 4ch to get only one atmospheric reference	
	RC2-040-8	Manifold for 8x PDIF-S / one reference port	
	8ch-Man	Manifold for 8x PDIF-S / 8 reference port	

STRAIN GAUGE

	SGDA	Strain Gauge Bonding (not compensated)	
		Strain Gauge Bonding (compensated)	
	AMPT-2L- gain-offset	In-line strain gauge Amplifier	2 leads / XN4 model inside
	AMPB-600-0.5	Strain Gauge Amplifier	Gain : 600 / Offset : 0.5V
	XN4	Digitally controlled Strain Gauge Amplifier	PCB type, programmable gain and offset
	XN4-CAN	Digitally controlled Strain Gauge Amplifier	PCB type, XN4 CAN Based
	XN4-D	Digitally controlled Strain Gauge Amplifier	PCB type, double gain feature
	XN5	4ch Digitally controlled Strain Gauge Amplifier	PCB type, multichannel amp
	WTS	Torque sensor - 100HZ bandwidth	Strain gage bonding+ transmitter + battery
Amplifier Options			
	tAST	Android smart tool	
	USB-Connect	USB programming tool to change gain and offset on XN4	

GEARSHIFT DEVICES

	GSTN6	Gear Shift Device, Tension/Compression model	Thread : M6 Male, Range : ± 1000 N
	GSTN8	Gear Shift Device, Tension/Compression model	Thread : M8 Male, Range : ± 1000 N
	GSTN6 - F	Gear Shift Device, Tension/Compression model	Thread : M6 Female, Range : ± 1000 N
	GSFN8	Gear Shift Device, Flexion model	Thread : M8, Range : ± 150 N
Gear Shift Options			
	SW-GSN	Switch board to change force threshold and cut off time on all model	

All sensors but PCB type delivered with 1 m cable length

For price derating, do not hesitate to contact us


2018 "World Pro" PRODUCTS LIST + References

POTENTIOMETERS / WHEEL SPEED / MISC.



SPLITTER-SKID PAD / TPMS /

References / Item ID	Specifications
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TIRE PRESSURE MONITORING SYSTEM

	RCU	Data recorder for WUS sensor	434 MHz - CAN output
	RS1	Tire pressure and valve temperature sensor	Diam 8.5 or 11.5 mm
	RS3	Tire pressure sensor Compatible BERU	14.7 or 25 mbar/bit
Optional parts			
	Display	Display for TPMS	
	Trigger	Remote trigger to active/shut off wheelsensors (1 per 3 car)	
	Handheld Unit	LCD display and remote trigger Compatible BERU	
	Valve stems	Spare vavle stems for RS1 Compatible BERU	Diam 8.5 or 11.5 mm


LINEAR AND ROTARY POTENTIOMETERS

	RSL	Linear potentiometer - Cost effective solution	Electrical range from 10 to 150mm (0.4 to 6")
	EMLS	Linear potentiometer - Light and small housing	Electrical range from 12.5 to 150mm (0.5 to 6")
	VMLS	Linear potentiometer - Robust housing	Electrical range from 25 to 290mm (0.5 to 11.5")
	RPS	Rotary potentiometer - round or blade shaft	Electrical angle from 100 to 350°
	RPS-EXP	Rotary potentiometer - programmable unit	Any electrical angle between 30 to 360°


WHEEL SPEED

	VR-Ø9-B- (P / RA)	Differential Hall Effect Speed sensor	Ø9 - Parallel or Right angle bracket - Freq.: 20Khz
	VR-Ø9-TA	Differential Hall Effect Speed sensor (GT101 compatible)	Ø9 - Right angle bracket - Freq. : 20Khz
	RS-M10WS	Differential Hall Effect Speed sensor	M10 - Freq. : 20Khz

FLUID PRESSURE

	FPS-V2-10	Engine fluid pressure sensor - Dash3 port	145 psi (10bar)
	FPS-V2-100	Brake fluid pressure sensor - Dash3 port	1,450 psi (100bar)

MISCELLANEOUS

	24T12-Int	24 to 12V supply interface	Flying lead
	V2-mA	Analog to 4-20mA converter interface	
	tAST	Interface to reprogram Texys CAN sensors via our app (Google Play) Android device required	Switch board + C-tool USB

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2018 "World Pro" Sensor PRODUCTS LIST + References
Miscellaneous



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MISC. SENSORS

Amplifiers

	THN-IS-K-range-MC	Isolated TC amp - Military connector	K type, Any range
	THN4x-IS-K-range-MC	4ch Isolated TC amp - Military connector	K type, Any range
	AMPC	Charge amplifier for piezo accelerometer	

Pressure scanner

	8x PDIF-S-AP-range	8 ways Differential Pressure Sensor - CAN output <i>With absolute pressure channel</i>	Range: ± 50 to ± 1000 mbar ($\pm 0,72$ to $\pm 14,5$ psi)
	16x PDIF-AP	16ch Differential Pressure Sensor - CAN output <i>With absolute pressure channel</i>	Range: ± 50 to ± 1000 mbar ($\pm 0,72$ to $\pm 14,5$ psi)



Wireless hub

ANA-WS	Wireless transmitter module - <i>2 analog inputs to wireless</i>	868 MHz
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Kvaser interfaces

Texys has established a partnership with Kvaser US in order to supply their CAN interfaces such as Leaf Light, USBCan and Memorator
Contact us for complete price list













Mixture Monitoring kit

	LSU49-K	Analog controller + lambda probe
	LSU49-5V	Analog controller
	LSU49	Lambda sensor
	DC4D57	Display for lambda probes

All sensors but PCB type delivered with 1 m cable length

For price derating, do not hesitate to contact us

2018 "Racing Series" Sensor PRODUCTS LIST + References

References / Item ID		Specifications	
WHEEL SPEED			
	VR-Ø9-P	Differential Hall Effect Speed sensor	Ø9 - Parallel bracket - Freq. : 20Khz
	VR-Ø9-RA	Differential Hall Effect Speed sensor	Ø9 - Right angle bracket - Freq. : 20Khz
	RS-M10 WS	Differential Hall Effect Speed sensor	M10 x 25 mm ; Freq. : 20Khz
TEMPERATURE : IR Tire temp / IR Rotor temp / Liquid / TC amps			
	INFKL-150	Infrared Temperature Sensor Rectangular	<i>for tire</i> 150°C (302°F) linear output
	INFKL-200	Infrared Temperature Sensor Rectangular	<i>for tire</i> 200°C (392°F) linear output
	INFKL-800	Infrared Temperature Sensor Rectangular	<i>for brake</i> 800°C (1472°F) linear output
	TS-1/8 NPT-150	Liquid Temperature sensor	Thread : 1/8 NPT Range : 150°C (302°F)
	TS-M6-150		Thread : M6 Range : 150°C (302°F)
	TS-M8-150		Thread : M8 Range : 150°C (302°F)
	THK-200	Thermocouple Amplifier, Type K	- 50/200°C (-58/392°F)
	THK-400		-100/400°C (-148/752°F)
	THK-1250		0/1250°C (32/2282°F)
	EGT-kit	Exhaust Gas Temperature kit	THK 1250°C (2282°F) + EGT probe
	EGT-Probe-M5	Exhaust Gas Temperature probe Type K	Thread: M5 ; Measuring element : ø 2 mm
	EGT-Probe-1/8NPT	Exhaust Gas Temperature probe Type K	Thread: 1/8NPT; Measuring element : ø 2 mm
IR TEMPERATURE KITS			
	IR TTK #1	Tire temperature kit - basic chassis analysis	4x INFKL-150 (or 200)
	IR TTK #2	Tire temperature kit - advanced chassis analysis	12x INFKL-150 (or 200)
	IR ETK	Endurance temperature kit	12x INFKL-150 (or 200) + 4x INFKL-800
INERTIAL			
	AXL ± 5G	3 Axis accelerometer	Range : ± 5G
	AXL ± 10G	3 Axis accelerometer	Range : ± 10G
FLUID PRESSURE			
	FPS-V2-10	Fluid Pressure sensor, DASH3 pressure port	Range : 10 bar (145.00 psi)
	FPS-V2-100		Range : 100 bar (1,450.00 psi)
GEARSHIFT DEVICES			
	ShifTrig - Thread	Stand alone gear shift device Tension / Compression model	Gear shift thread : M6 or M8 ; setting plate
	GSTN6 - F	Gear Shift Device, Tension/Compression model	Thread : M6 Female, Range : ±1000N
THN4x-Wireless			
LINEAR AND ROTARY POTENTIOMETERS			
	RSL- range	Cost effective linear potentiometer	Electrical stroke : 10 to 150 mm (0.39 to 6")
	EMLS- range	Regular Linear potentiometer	Electrical stroke : 12.5 to 150mm (0.5 to 6")
	VML- range	Robust and long electrical stroke Linear	Electrical stroke : 25 to 290mm (1 to 11.5")
	RPS	Rotary potentiometer - round or blade shaft	Electrical angle from 100 to 350°
	RPS-EXP	Rotary potentiometer - programmable unit	Any electrical angle between 30 to 360°

All sensors but PCB type delivered with 39" / 1m flying lead

For price derating, do not hesitate to contact us at r.fernand@texense.com