



ACOUSTIC EMISSION SENSORS

Item	Description	Sub Cat
R3A	30 KHz Alpha series sensor with SMA connector	Alpha Series
R6A	Sensor, 60kHz, Alpha, with SMA connector.	Alpha Series
R15A	SENSOR, 150KHZ W/SMA CONN -ALPHA S	Alpha Series
R30A	SENSOR, 300KHZ W/SMA CONN- ALPHA SE	Alpha Series
WSa	100-900 kHz wide band freq., SE sensor, SMA connector	Alpha Series
F15A	F-series, Passive, Wideband alpha sensor, 100-450kHz,	Flat Frequency passive sensors, alpha type
F30A	F-series, Passive, Wideband alpha sensor, 150-750kHz,	Flat Frequency passive sensors, alpha type
F50A	F-series, Passive, Wideband alpha sensor, 200-800kHz,	Flat Frequency passive sensors, alpha type
F15I-AST	F-series Wideband sensor, 100-450kHz, Integral Preamp Sensor.	Flat Frequency, Integral Preamp Sensors
F30I-AST	F-series Wideband sensor, 150-750kHz, Integral Preamp Sensor.	Flat Frequency, Integral Preamp Sensors
F50I-AST	F-series Wideband sensor, 200-800kHz, Integral Preamp Sensor.	Flat Frequency, Integral Preamp Sensors
R6IC-AST	Preamplified Sensor, 60kHz, with 40 dB gain, AST, coated for outdoor use, 5 meter coaxial RG-58A/U cable, and connector (specify BNC, BNCR, SMB, SMBR, or Pigtail on the order).	Coated Sensors (For outdoor use only, NOT UNDERWATER)
R15IC-AST	Preamplified Sensor, 150kHz, with 40 dB gain, AST, coated for outdoor use, 5 meter coaxial RG-58A/U cable, and connector (specify BNC, BNCR, SMB, SMBR, or Pigtail on the order).	Coated Sensors (For outdoor use only, NOT UNDERWATER)
R30IC-AST	Preamplified Sensor, 300kHz, with 40 dB gain, AST, coated for outdoor use, 5 meter coaxial RG-58A/U cable, and connector (specify BNC, BNCR, SMB, SMBR, or Pigtail on the order).	Coated Sensors (For outdoor use only, NOT UNDERWATER)

WDIC-AST	Preamplified Sensor, Wideband (100 - 1000kHz), with 40 dB gain, AST, coated for outdoor use, 5 meter coaxial RG-58A/U cable, and connector (specify BNC, BNCR, SMB, SMBR, or Pigtail on the order).	Coated Sensors (For outdoor use only, NOT UNDERWATER)
R.45I-LP-AST	Low Power, Preamplified Sensor, 4.5kHz, with 26 dB gain, AST, coated for outdoor use, 5meter coaxial RG-58A/U cable, and connector (specify BNC, BNCR, SMB, SMBR, Coated Sensors, Low Power or Pigtail on the order).	
R3I-LP-AST	Low Power, Preamplified Sensor, 30kHz, with 26 dB gain, AST, coated for outdoor use, 5meter coaxial RG-58A/U cable, and connector (specify BNC, BNCR, SMB, SMBR, Coated Sensors, Low Power or Pigtail on the order).	
R6I-LP-AST	Low Power, Preamplified Sensor, 60kHz, with 26 dB gain, AST, coated for outdoor use, 5meter coaxial RG-58A/U cable, and connector (specify BNC, BNCR, SMB, SMBR, Coated Sensors, Low Power or Pigtail on the order).	
R15I-LP-AST	Low Power, Preamplified Sensor, 150kHz, with 26 dB gain, AST, coated for outdoor use, 5meter coaxial RG-58A/U cable, and connector (specify BNC, BNCR, SMB, SMBR, Coated Sensors, Low Power or Pigtail on the order).	
R30I-LP-AST	Low Power, Preamplified Sensor, 300kHz, with 26 dB gain, AST, coated for outdoor use, 5meter coaxial RG-58A/U cable, and connector (specify BNC, BNCR, SMB, SMBR, Coated Sensors, Low Power or Pigtail on the order).	
WDI-LP-AST	Low Power, Preamplified Sensor, Wideband (100 - 1000kHz), with 26 dB gain, AST, coated for outdoor use, 5meter coaxial RG-58A/U cable, and connector (specify BNC, BNCR, SMB, SMBR, or Pigtail on the order).	
R3I-LP-AST-12dB	30KHZ LOW POWER PREAMP 12dB AST SENSOR	Coated Sensors, Low Power
R.45UC	4.5 KHZ SE WATERPROOF, COATED SENSOR with 2 meter integral cable	Underwater Passive Sensor, coated, integral underwater cable (Tested under 1000 PSIs)
R3UC	Underwater Passive Sensor, 30kHz, coated, 2 meter underwater rated coaxial cable and connector (specify BNC, BNCR, SMB, SMBR, or Pigtail on the order).	Underwater Passive Sensor, coated, integral underwater cable (Tested under 1000 PSIs)
R15UC	Underwater Passive Sensor, 150kHz, coated, 2 meter underwater rated coaxial cable and connector (specify BNC, BNCR, SMB, SMBR, or Pigtail on the order).	Underwater Passive Sensor, coated, integral underwater cable (Tested under 1000 PSIs)

R30UC	Underwater Passive Sensor, 300kHz, coated, 2 meter underwater rated coaxial cable and connector (specify BNC, BNCR, SMB, SMBR, or Pigtail on the order).	Underwater Passive Sensor, coated, integral underwater cable (Tested under 1000 PSIs)
R15IUC	Underwater Preamplified Sensor, 150kHz, with 40 dB gain, AST, coated, 5 meter underwater rated coaxial cable, BNC connector.	Underwater Preamplified Sensor, coated, integral underwater cable (Tested under 1000 PSIs)
R30IUC	Underwater Preamplified Sensor, 300kHz, with 40 dB gain, AST, coated, 5 meter underwater rated coaxial cable, BNC connector.	Underwater Preamplified Sensor, coated, integral underwater cable (Tested under 1000 PSIs)
AM2	20 KHz airborne sensor	Airborne, Passive
AM4	40 KHz airborne sensor	Airborne, Passive
AM2I	20 KHz integral preamplifier 40 dB gain airborne sensor	Airborne, Preamplified
AM4I	40 KHz integral preamplifier 40 dB gain airborne sensor	Airborne, Preamplified
ISPK3I	Intrinsically safe Low Power Sensor, 30 kHz with Integral Preamplifier, AST and SMA Connector to be connected to 1281 connected through 1234-4001-xxx cable	Intrinsically Safe, Low Power
ISPK6I	Intrinsically safe Low Power Sensor, 60 kHz with Integral Preamplifier, AST and SMA Connector to be connected to 1281 connected through 1234-4001-xxx cable	Intrinsically Safe, Low Power
ISPK15I	Intrinsically safe Low Power Sensor, 150 kHz with Integral Preamplifier, AST and SMA Connector to be connected to 1281 connected through 1234-4001-xxx cable	Intrinsically Safe, Low Power
ISPK30I	Intrinsically safe Low Power Sensor, 300 kHz with Integral Preamplifier, AST and SMA Connector to be connected to 1281 connected through 1234-4001-xxx cable	Intrinsically Safe, Low Power
ISPKWDI	Intrinsically safe Low Power Sensor, wideband (100 – 1000 kHz) with Integral Preamplifier, AST and SMA Connector to be connected to 1281 connected through 1234-4001-xxx cable	Intrinsically Safe, Low Power
ISPK3IUC	Underwater 30 KHz Intrinsically safe low power integral preamplifier sensor with AST and BNC Connector to be connected to 1281 through Underwater cable. Specify cable length in meters.	Underwater, Intrinsically Safe, Low Power

ISPK6IUC	Underwater 60 KHz Intrinsically safe low power integral preamplifier sensor with AST and BNC Connector to be connected to 1281 through underwater cable. Specify cable length in meters.	Underwater, Intrinsically Safe, Low Power
ISPK15IUC	Underwater 150 KHz Intrinsically safe low power integral preamplifier sensor with AST and BNC Connector to be connected to 1281 through underwater cable. Specify cable length in meters.	Underwater, Intrinsically Safe, Low Power
ISPK30IUC	Underwater 300 KHz Intrinsically safe low power integral preamplifier sensor with AST and BNC Connector to be connected to 1281 through underwater cable. Specify cable length in meters.	Underwater, Intrinsically Safe, Low Power
ISPKWDIUC	Underwater wideband Intrinsically safe low power integral preamplifier sensor with AST and BNC Connector to be connected to 1281 through underwater cable. Specify cable length in meters.	Underwater, Intrinsically Safe, Low Power
ISR-0.45	Intrinsically safe 7.5 KHz sensor with 2 meter cable for 1278	Intrinsically Safe
R0.45I-ISC-15	4.5 KHz Intrinsically SAFE W/15M SIDE MOUNTING TRIAXIAL (YELLOW) CABLE, SE TERMINATION	Intrinsically Safe
ISR-3	Intrinsically safe 30 KHz sensor with 2 meter cable for 1276 and 1278	Intrinsically Safe
ISR-6	Intrinsically safe 60 KHz sensor with 2 meter cable for 1276 and 1278	Intrinsically Safe
ISR-15	Intrinsically safe 150 KHz sensor with 2 meter cable for 1276 and 1278	Intrinsically Safe
ISR-30	Intrinsically safe 300 KHz sensor with 2 meter cable for 1276 and 1278	Intrinsically Safe
IS-WD	Intrinsically safe wideband sensor with 2 meter cable for 1276 and 1278	Intrinsically Safe
ISD-9203B	Intrinsically safe high frequency sensor with 2 meter cable	Intrinsically Safe
R.45	SENSOR, LOW FREQ. 7.3KHZ with BNC female connector	Low Frequency
MICRO-80	SENSOR, MINI,SE, 800KHZ	Mini and Micro Type
MICRO-200-HF	SENSOR,MINI 2.5MHZ BNC W/12" CABLE	Mini and Micro Type
NANO-30	300KHZ RES.INDUST.MINI SENSOR W/1M	Mini and Micro Type
NANO30-TC	300KHZ RES.INDUST.MINI SENSOR W/1M Top Cable with BNC Connector	Mini and Micro Type
PICO	ULTRA-MINI WB SENSOR W/1M FLEXI CAB	Mini and Micro Type
PICO-HF1.2	HIGH FREQ.PICO SENSOR W/1.2MHZ	Mini and Micro Type
MINI-30S	300KHZ, INTEGRAL CABLE, GLUEABLE SEN	Mini and Micro Type
S9225	250KHZ Micromini sensor with 1 meter integral cable	Mini and Micro Type
PK3I	Low Power Sensor, 30 kHz with Integral Preamplifier and SMA Connector	Low Power
PK6I	Low Power Sensor, 60 kHz with Integral Preamplifier and SMA Connector	Low Power
PK15I	Low Power Sensor, 150 kHz with Integral Preamplifier and SMA Connector	Low Power

PK30I	Low Power Sensor, 300 kHz with Integral Preamplifier and SMA Connector	Low Power
PKWDI	Low Power Sensor, wideband (100 – 1000 kHz) with Integral Preamplifier and SMA Connector for Pocket AE & Sensor Highway	Low Power
PKBBI	PKBBI SENSOR	Low Power
R15UG	150KHZ underground/water sensor with 2 meter top cable and BNC male connector. Underground	
R3-ASL	4 - 20 milliamp ASL, Smart Sensor with HART Interface, CPU and AE signal processing, all embedded into the sensor. AE Bandwidth 10 - 70 kHz. Coated sensor, with twisted pair, shielded, 2 meter integral cable.	4-20 mA Smart Sensor
R6-ASL	4 - 20 milliamp ASL, Smart Sensor with HART Interface, CPU and AE signal processing, all embedded into the sensor. AE Bandwidth 30 - 165 kHz. Coated sensor, with twisted pair, shielded, 2 meter integral cable.	4-20 mA Smart Sensor
R15-ASL	4 - 20 milliamp ASL, Smart Sensor with HART Interface, CPU and AE signal processing, all embedded into the sensor. AE Bandwidth 75 - 250 kHz. Coated sensor, with twisted pair, shielded, 2 meter integral cable.	4-20 mA Smart Sensor
R30-ASL	4 - 20 milliamp ASL, Smart Sensor with HART Interface, CPU and AE signal processing, all embedded into the sensor. AE Bandwidth 215 - 490 kHz. Coated sensor, with twisted pair, shielded, 2 meter integral cable.	4-20 mA Smart Sensor
9203-ASL	4 - 20 milliamp ASL, Smart Sensor with HART Interface, CPU and AE signal processing, all embedded into the sensor. AE Bandwidth 100 - 540 kHz. Coated sensor, with twisted pair, shielded, 2 meter integral cable.	4-20 mA Smart Sensor
R3I-AST	SENSOR, AST, 30KHZ, INTEGRAL PREAMP	Preamplified, Auto Sensor Test
R6I-AST	SENSOR,AST,60KHZ,SE,W/INTEGRAL PREAMP	Preamplified, Auto Sensor Test
R15I-AST	SENSOR, AST, 150KHZ SE W/INTEGRAL P	Preamplified, Auto Sensor Test
R15I-TC-AST	SENSOR, AST, 150KHZW/PREAMP, TCAB	Preamplified, Auto Sensor Test
R15I-TOPCON-AST	SENSOR, AST, 150KHZ, PREAMP, TCONN	Preamplified, Auto Sensor Test
R30I-AST	SENSOR,AST,300KHZ,SE W/INTEGRAL PRE	Preamplified, Auto Sensor Test

R30I-T.C.-AST	SENSOR,AST,300KHZ TOP CABLE,INTEGRA	Preamplified, Auto Sensor Test
WDI-AST	WIDE BAND INTEGRA PREAMP SENSOR WITH AST	Preamplified, Auto Sensor Test
R15-L/T	Low temperature sensor, 150KHZ, with 1 meter RG316 cable and BNC male connector.	Low Temperature
ISR3CA-HT	High Temperature, 150° C, 30 kHz, AST capable, Intrinsically Safe, Passive Sensor with 2 meter, integral cable	Intrinsically Safe, High Temperature
ISR6CA-HT	High Temperature, 150° C, 60 kHz, AST capable, Intrinsically Safe, Passive Sensor with 2 meter, integral cable	Intrinsically Safe, High Temperature
ISR15CA-HT	High Temperature, 150° C, 150 kHz, AST capable, Intrinsically Safe, Passive Sensor with 2 meter, integral cable	Intrinsically Safe, High Temperature
ISR30CA-HT	High Temperature, 150° C, 300 kHz, AST capable, Intrinsically Safe, Passive Sensor with 2 meter, integral cable	Intrinsically Safe, High Temperature
ISWDCA-HT	High Temperature, 150° C, Wideband (100 - 1000kHz), AST capable, Intrinsically Safe, Passive Sensor with 2 meter, integral cable	Intrinsically Safe, High Temperature
D9203-IS	SENSOR, 175KHZ, DIFF, Intrinsically Safe, used with VPAC	Differential Type
WD	WIDEBAND DIFF.SENSOR W/1M INTEGRAL	Differential Type
WD-TC	SENSOR, W/B, DIFF, W TOP CABLE	Differential Type
D9215	High temperature (1000 F) differential sensor with 2 feet hard line cable and 23 feet soft line cable (See S9215-HLC and S9215-SLC in the "Cable" sheet for different lengths of the hardline and soft line cable)	High Temperature
R15S-HT	150 KHz high temperature (at 200 C) sensor with 4 meter integral cable and SMB connector (optional with other types of connectors)	High Temperature
R50S-TC	500 KHz top cable high temperature (210 C degree) sensor	High Temperature
S9215	High temperature (1000 F) single-ended sensor with 2 feet hard line cable and 23 feet soft line cable (See S9215-HLC and S9215-SLC in the "Cable" sheet for different lengths of the hardline and soft line cable)	High Temperature
HD2-WD	2MHZ HIGH FREQ. WIDEBAND SENSOR	Wideband/Broadband
S9208	BROADBAND, SE SENSOR	Wideband/Broadband
R.45I	SENSOR, AST,LOW FREQUENCY with BNC female connector	Low Frequency
D9241A	SENSOR, DIFF, 30KHZ W/CABLE	Low Frequency

4002-5055-XX-YY	Model 4002. Hardline Extension Cable with softline cable transition, dual BNC termination. XX = hardline cable length in meters, YY = softline cable length in meters, 3-pin MIL 5015 connector mates with 4002 connector, mating connector rated at 500°F (260°C). Softline cable is twinax shielded Tefzel jacket.	Sensor Cable Options
4002-5045-XX-YY	Model 4002. Hardline Extension Cable with softline cable transition, pigtail termination. XX = hardline cable length in meters, YY = softline cable length in meters, 3-pin MIL 5015 connector mates with 4002 connector, mating connector rated at 500°F (260°C). Softline cable is twinax shielded Tefzel jacket.	Sensor Cable Options
R6S	SENSOR, 60KHZ, S.E., W/INT CAB	
VS9203	VPAC Sensor, Single Ended w/built-in waveguide tip	
4002-5015	Model 4002. Loose Parts Monitor Sensor: 10 pC/g, charge accelerometer, welded and glass-to-metal hermetically sealed, rated to 900°F (500°C), 6 foot integral hardline cable to 3-pin MIL-5015 connector with braided glass sleeving, 8 kHz, triangular base, nuclear radiation resistant to 1 X 10 ⁻⁹ Rads TID Gamma and 2.23 X 10 ⁻¹⁷ N/cm ² Neutron TID.	
DFS-6000-HG-5015	FINAL ASSEMBLY,DFS-6000-HG	
WDIU-AST	WIDEBAND UNDERWATER SENSOR, W/AST&P	