# Accelerometers (Top Exit, Connector)

## A0322L5 Industrial Accelerometer

| Specifications | |
|---|---|
| Sensitivity | 100 mV/g (10.2 mV/m/s²) ±10% |
| Connector Arrangement | Top Exit, C5015/2 Pin |
| Frequency Range ±3dB | 0.5 Hz to 10 kHz |
| Sealing | IP68, Welded Hermetic |
| Agency Rating | CE |
| Temperature Range | -54 to 121°C (-65 to 250°F) |
| Mounting | ¼-28 UNF-2B stud (included) |

A basic accelerometer with a wider sensitivity range and a simpler (single point) calibration than a premium accelerometer. Ideal for permanent mounting in an online monitoring application.

## A0322L5-EX Industrial Accelerometer

| Specifications | |
|---|---|
| Sensitivity | 100 mV/g (10.2 mV/m/s²) ±10% |
| Connector Arrangement | Top Exit, C5015/2 Pin |
| Frequency Range ±3dB | 0.5 Hz to 10 kHz |
| Sealing | IP68, Welded Hermetic |
| Agency Rating | CE, CSA, ATEX |
| Temperature Range | -54 to 121°C (-65 to 250°F) |
| Mounting | ¼-28 UNF-2B stud (included) |

The A0322L5-EX is a safety agency rated version of the A0322L5. See the full spec sheet for the safety agency details.

## A0760GP General Purpose Accelerometer

| Specifications | |
|---|---|
| Sensitivity | 100 mV/g (10.2 mV/m/s²) ±5% |
| Connector Arrangement | Top Exit, C5015/2 Pin |
| Frequency Range ±3dB | 0.5 Hz to 10 kHz |
| Sealing | IP68, Welded Hermetic |
| Agency Rating | CE |
| Temperature Range | -54 to 121°C (-65 to 250°F) |
| Mounting | ¼-8 UNF-2B stud (included) |

Selected for tight sensitivity accuracy and verified with a multipoint calibration, this premium accelerometer is ideal for the CSI 2140 where high repeatability in multiple measurements is critical.

# Accelerometers (Top Exit, Connector)

## A0761GP-EX Agency Rated Accelerometer

| Specifications | |
|---|---|
| Sensitivity | 100 mV/g (10.2 mV/m/s²) ±5% |
| Connector Arrangement | Top Exit, C5015/2 Pin |
| Frequency Range ±3dB | 0.5 Hz to 10 kHz |
| Sealing | IP68, Welded Hermetic |
| Agency Rating | CE, CSA, ATEX |
| Temperature Range | -54 to 121°C (-65 to 250°F) |
| Mounting | ¼-28 UNF-2B stud (included) |

Adds CSA- and ATEX-agency approvals to A0760GP allowing it to be used in hazardous areas. See the full sensor specification sheet for safety agency approval details.

## A0120LF Low Frequency Accelerometer

| Specifications | |
|---|---|
| Sensitivity | 500 mV/g (51 mV/m/s²) ±5% |
| Connector Arrangement | Top Exit, C5015/2 Pin |
| Frequency Range ±3dB | 0.2 Hz to 6 kHz |
| Sealing | IP68, Welded Hermetic |
| Agency Rating | N/A |
| Temperature Range | -54 to 121°C (-65 to 250°F) |
| Mounting | ¼-28 UNF-2B stud (included) |

Superior low-frequency, low-amplitude performance for slow-speed machinery.

## A0220HF High Frequency Accelerometer

| Specifications | |
|---|---|
| Sensitivity | 100 mV/g (10.2 mV/m/s²) ±5% |
| Connector Arrangement | Top Exit, C5015/2 Pin |
| Frequency Range ±3dB | 0.8 Hz to 15 kHz |
| Sealing | IP68, Welded Hermetic |
| Agency Rating | CE |
| Temperature Range | -54 to 121°C (-65 to 250°F) |
| Mounting | ¼-28 UNF-2B stud (included) |

Wide frequency range, up to 15 kHz, for measuring special applications that generate high-frequency output.

# Accelerometers (Top Exit, Connector)

## PR9270-Ex Agency Rated Accelerometer

| Specifications | |
|---|---|
| Sensitivity | 100 mV/g (10.2 mV/m/s²) ±5% |
| Connector Arrangement | Top Exit, C5015/2 Pin |
| Frequency Range ±3dB | 0.2 Hz to 15 kHz |
| Sealing | IP68, Welded Hermetic |
| Agency Rating | CE, ATEX (see spec sheet) |
| Temperature Range | -54 to 121°C (-65 to 250°F) |
| Mounting | ¼-28 to M6x1 or M10x1 (included) |

This agency qualified accelerometer was designed to be integrated into a machinery protection system but can be also used for online and portables applications

## A0420HT High Temperature Accelerometer

| Specifications | |
|---|---|
| Sensitivity | 100 mV/g (10.2 mV/m/s²) ±5% |
| Connector Arrangement | Top Exit, C5015/2 Pin |
| Frequency Range ±3dB | 0.2 Hz to 10 kHz |
| Sealing | IP68, Welded Hermetic |
| Agency Rating | CE |
| Temperature Range | -54 to 163°C (-65 to 325°F) |
| Mounting | ¼-28 UNF-2B stud (included) |

This accelerometer is designed to provide high accuracy acceleration measurements under high ambient temperatures, up to 163°C (325°F).

## A021251-EX Industrial Accelerometer

| Specifications | |
|---|---|
| Sensitivity | 100 mV/g (10.2 mV/m/s²) ±10% |
| Connector Arrangement | Top Exit, C5015/2 Pin |
| Frequency Range ±3dB | 0.8 Hz to >10 kHz |
| Sealing | IP67 |
| Agency Rating | CE, ATEX |
| Temperature Range | -55 to 115°C (-67 to 239°F) |
| Mounting | ¼-28 UNF stud (included) |

General purpose accelerometer, safety agency certified for use with the CSI 2125 portable analyzer.

# Accelerometers (Top Exit, Connector)

## A021252-EX Industrial Accelerometer

| Specifications | |
|---|---|
| Sensitivity | 100 mV/g (10.2 mV/m/s²) ±5% |
| Connector Arrangement | Top Exit, C5015/2 Pin |
| Frequency Range ±3dB | 0.5 Hz to 15 kHz |
| Sealing | IP68, Welded Hermetic |
| Agency Rating | CE, ATEX |
| Temperature Range | -50 to 120°C (-58 to 248°F) |
| Mounting | ¼-28 UNF stud (included) |

The A021252-EX is safety agency certified for use with the CSI 2125 portable analyzer.

# Triaxial Accelerometers (Top Exit, Connector)

## A0643TX Triaxial Accelerometer

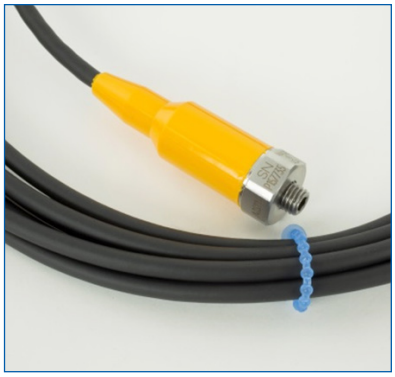
| Specifications | |
|---|---|
| Sensitivity all 3 Axis | 100 mV/g (10.2 mV/m/s²) ±10% |
| Connector Arrangement | Top Exit, 5 Pin |
| Z Axis Frequency Range ±3dB | 0.5 Hz to 10 kHz |
| X & Y Axis Freq. Range ±3dB | 2Hz to 3.5 kHz |
| Sealing | IP68, Welded Hermetic |
| Agency Rating | N/A |
| Temperature Range | -54 to 121°C (-65 to 250°F) |
| Mounting | Magnetic with Optional Keyed Base |

Premium triaxial accelerometer optimized for maximum frequency response per axis. Includes unique integral magnetic base with optional keyed bases that can be installed on each measurement point to ensure fast and accurate axis alignment. Exclusive to Emerson and designed for use with the CSI 2140.

*Shown with optional keyed base*

# Accelerometers (Top Exit, Connector)

## A0322LC Low Cost Accelerometer



| Specifications | |
|---|---|
| Sensitivity | 100 mV/g (10.2 mV/m/s²) ±10% |
| Connector Arrangement | Top Exit, Integral 2 Wire Cable |
| Frequency Range ±3dB | 0.5 Hz to 10 kHz |
| Sealing | IP68, Molded Cable Connection |
| Agency Rating | CE |
| Temperature Range | -54 to 121°C (-65 to 250°F) |
| Mounting | ¼-28 UNF stud (included) |

An economical basic sensor design with an integrated -2A cable and wider sensitivity range. The sensor and cable combination are available in a variety of cable lengths, cable armoring, and sensor safety ratings:

| | |
|---|---|
| A0322LC | 10 foot (3 meter) long integral cable |
| A0322LC-1 | 30 foot (9 meter) long integral cable |
| A0322LC-2 | 50 foot (15 meter) long integral cable |
| A0322LC-EX | 10 foot (3 meter) long integral cable, Safety Agency Rated |
| A0322LC-1-EX | 30 foot (15 meter) long integral cable, Safety Agency Rated |

## A0322DS Dual Output Sensor with Temperature

| Specifications | |
|---|---|
| Acceleration Sensitivity | 100 mV/g (10.2 mV/m/s²) ±10% |
| Temperature Sensitivity | 10 mV/°C with -50°C offset |
| Connector Arrangement | Top Exit, Integral 3 Wire Cable |
| Frequency Range ±3dB | 0.5 Hz to 10 kHz |
| Sealing | IP68, Molded Cable Connection |
| Agency Rating | CE |
| Temperature Range | -54 to 121°C (-65 to 250°F) |
| Mounting | ¼-28 UNF-2A stud (included) |

Combines acceleration and temperature measurements. Two analyzer inputs are required to monitor the two sensor outputs. The sensor comes in different integral cable length versions:

| | |
|---|---|
| A0322DS | 10 foot (3 meter) long integral cable |
| A0322DS-1 | 30 foot (9 meter) long integral cable |

# Accelerometers (Side Exit, Connector)

## A0322R5 Industrial Accelerometer

| Specifications | |
|---|---|
| Sensitivity | 100 mV/g (10.2 mV/m/s²) ±10% |
| Connector Arrangement | Side Exit, C5015/2 Pin |
| Frequency Range ±3dB | 0.5 Hz to 8 kHz |
| Sealing | IP68, Welded Hermetic |
| Agency Rating | CE |
| Temperature Range | -54 to 121°C (-65 to 250°F) |
| Mounting | ¼-28 UNF-2A included bolt |

A basic low-profile design with a wider sensitivity and a single-point calibration. Ideal for high-volume online monitoring systems where a short stack height is desired.

## A0322R5-HT High Temperature Accelerometer

| Specifications | |
|---|---|
| Sensitivity | 100 mV/g (10.2 mV/m/s²) ±10% |
| Connector Arrangement | Side Exit, C5015/2 Pin |
| Frequency Range ±3dB | 0.8 Hz to 8 kHz |
| Sealing | IP68, Welded Hermetic |
| Agency Rating | CE |
| Temperature Range | -54 to 162°C (-65 to 325°F) |
| Mounting | ¼-28 UNF-2A included bolt |

A high-temperature version of the A0322R5.

## A0322RM Right Angle Swivel Based Accelerometer

| Specifications | |
|---|---|
| Sensitivity | 100 mV/g (10.2 mV/m/s²) ±10% |
| Connector Arrangement | Side Exit, C5015/2 Pin |
| Frequency Range ±3dB | 0.43 Hz to 10 kHz |
| Sealing | IP68, Welded Hermetic |
| Agency Rating | CE |
| Temperature Range | -54 to 121°C (-65 to 250°F) |
| Mounting | ¼-28 included adaptor |

A premium high-accuracy accelerometer with multipoint calibration and a swivel base to relieve cable strain.

# Accelerometers (Side Exit, Connector)

## A0322RTS Temperature Hardened Accelerometer

| Specifications | |
|---|---|
| Sensitivity | 100 mV/g (10.2 mV/m/s²) ±10% |
| Connector Arrangement | Side Exit, C5015/2 Pin |
| Frequency Range ±3dB | 0.8 Hz to 10 kHz |
| Sealing | IP68, Welded Hermetic |
| Agency Rating | CE |
| Temperature Range | -54 to 121°C (-65 to 250°F) |
| Mounting | ¼-28 UNF-2A included bolt |

The quartz element of this accelerometer resists damage due to thermo shock, such as being washed down with a fire hose on a paper machine or tissue machine during a paper break.

## A0710GP General Purpose Accelerometer

| Specifications | |
|---|---|
| Sensitivity | 100 mV/g (10.2 mV/m/s²) ±5% |
| Connector Arrangement | Side Exit, C5015/2 Pin |
| Frequency Range ±3dB | 0.2 Hz to 10.5 kHz |
| Sealing | IP68, Welded Hermetic |
| Agency Rating | CE |
| Temperature Range | -54 to 121°C (-65 to 250°F) |
| Mounting | ¼-28 UNF captive bolt (included) |

A side-exit version of the A0760GP.

## A021253-EX Industrial Accelerometer

| Specifications | |
|---|---|
| Sensitivity | 100 mV/g (10.2 mV/m/s²) ±5% |
| Connector Arrangement | Side Exit, C5015/2 Pin |
| Frequency Range ±3dB | 1.0 Hz to 12 kHz |
| Sealing | IP68, Welded Hermetic |
| Agency Rating | CE, ATEX |
| Temperature Range | -50 to 120°C (-58 to 248°F) |
| Mounting | ¼-28 UNF captive bolt (included) |

High-frequency (12kHz) and safety certified for use with the CSI 2125 portable analyzer.

# Accelerometers (Side Exit, Cabled)

## A0322RI Right Angle Integral Cable Accelerometer

| Specifications | |
|---|---|
| Sensitivity | 100 mV/g (10.2 mV/m/s²) ±10% |
| Connector Arrangement | Side Exit, Integral 2 Wire Cable |
| Frequency Range ±3dB | 0.43 Hz to 10 kHz |
| Sealing | IP68, Molded Cable Connection |
| Agency Rating | CE |
| Temperature Range | -54 to 121°C (-65 to 250°F) |
| Mounting | ¼-28 included adaptor |

*Yellow jacket*

Low-profile, swivel-based accelerometer with an integral cable. The accelerometer's unique swivel base design, which was co-developed by Emerson and a leading accelerometer manufacturer, allows the sensor's angular position to be adjusted to reduce cable strain. A variety of cable lengths are available:

| | |
|---|---|
| A0322RI | 10 foot (39 meter) long integral cable |
| A0322RI-1 | 30 foot (9 meter) long integral cable |
| A0322RI-2 | 50 foot (15 meter) long integral cable |

## A0322RA Right Angle Armored Cable Accelerometer

| Specifications | |
|---|---|
| Sensitivity | 100 mV/g (10.2 mV/m/s²) ±10% |
| Connector Arrangement | Side Exit, Armored 2 Wire Cable |
| Frequency Range ±3dB | 0.43 Hz to 10 kHz |
| Sealing | IP68, Molded Cable Connection |
| Agency Rating | CE |
| Temperature Range | -54 to 121°C (-65 to 250°F) |
| Mounting | ¼-28 included adaptor |

An armored cable version of the A0322RI available in several cable lengths and agency safety ratings:

| | |
|---|---|
| A0322RA | 10 foot (3 meter) long integral cable |
| A0322RA-EX | 10 foot (3 meter) long integral cable with ATEX agency rating |
| A0322RA-1 | 30 foot (9 meter) long integral cable |
| A0322RA-1-EX | 30 foot (9 meter) long integral cable with ATEX agency rating |
| A0322RA-2 | 50 foot (15 meter) long integral cable |

# Accelerometers (Side Exit, Cabled)

## A0322DR Dual Output Sensor with Temperature

| Specifications | |
|---|---|
| Acceleration Sensitivity | 100 mV/g (10.2 mV/m/s²) ±10% |
| Temperature Sensitivity | 10 mV/°C with -50°C offset |
| Connector Arrangement | Side Exit, Integral 3 Wire Cable |
| Frequency Range ±3dB | 0.5 Hz to 10 kHz |
| Sealing | IP68, Molded Cable Connection |
| Agency Rating | CE |
| Temperature Range | -54 to 121°C (-65 to 250°F) |
| Mounting | ¼-28 included adaptor |

Low-profile, swivel-based accelerometer that includes a separate temperature output and an integral cable. Two analyzer inputs are required to monitor the two sensor outputs. A variety of cable lengths are available:

| | |
|---|---|
| A0322DR | 10 foot (3 meter) long integral cable |
| A0322DR-1 | 30 foot (9 meter) long integral cable |

*Red Jacket*

# Low Voltage Accelerometers (Side Exit, Cabled)

## A0394R Low Voltage Accelerometer

| Specifications | |
|---|---|
| Acceleration Sensitivity | 25 mV/g (2.55 mV/m/s²) ±10% |
| Connector Arrangement | Side Exit, Integral 3 Wire Cable |
| Frequency Range ±3dB | 1.6 Hz to 10 kHz |
| Sealing | IP68, Molded Cable Connection |
| Agency Rating | CE, CSA, ATEX (see spec sheet) |
| Temperature Range | -54 to 121°C (-65 to 250°F) |
| Mounting | ¼-28 included adaptor |

Low-voltage, low-profile, swivel-based accelerometer designed exclusively for Emerson's CSI 9420 wireless system and available in a variety of cables types and cable lengths. The sensor comes standard with several agency safety ratings:

| | |
|---|---|
| A0394RI-1 | 30 foot (9 meter) long integral cable |
| A0394RI-4 | 100 foot (30 meter) long integral cable |
| A0394RA-1 | 30 foot (9 meter) long integral armored cable |
| A0394RA-4 | 100 foot (30 meter) long integral cable with 75 foot (≈23 meter) of armor |
| A0394RAC-1 | 30 foot (9 meter) long Teflon coated integral armored cable |
| A0394RAC-4 | 100 foot (30 meter) long Teflon coated integral cable with 75 foot (≈23 meter) of armor |

*Green Jacket*

## A0394D Low Voltage Dual Output Accelerometer

| Specifications | |
|---|---|
| Acceleration Sensitivity | 25 mV/g (2.55 mV/m/s²) ±10% |
| Temperature Sensitivity | 10 mV/°C with -50°C offset |
| Connector Arrangement | Side Exit, Integral 4 Wire Cable |
| Frequency Range ±3dB | 1.6 Hz to 10 kHz |
| Sealing | IP68, Molded Cable Connection |
| Agency Rating | CE, CSA, ATEX (see spec sheet) |
| Temperature Range | -40 to 121°C (-40 to 250°F) |
| Mounting | ¼-28 included adaptor |

Low-voltage, low-profile, swivel-based accelerometer with a separate temperature output. When the A0394D is used with a CSI 9420, it uses both analyzer inputs. The sensor is available in a variety of cables types and cable lengths. The sensor comes standard with several agency safety ratings:

| | |
|---|---|
| A0394DI-1 | 30 foot (9 meter) long integral cable |
| A0394DI-4 | 100 foot (30 meter) long integral cable |
| A0394DA-1 | 30 foot (9 meter) long integral armored cable |
| A0394DA-4 | 100 foot (30 meter) long integral cable with 75 foot (≈23 meter) of armor |
| A0394DAC-1 | 30 foot (9 meter) long Teflon coated integral armored cable |
| A0394DAC-4 | 100 foot (30 meter) long Teflon coated integral cable with 75 foot (≈23 meter) of armor |

*Blue Jacket*