



AMS Accessories

REFERENCE GUIDE

AMS



AMS 2140 Machinery Health

AMS 2140 (all options)



Strobelight Cables

D25535 MODEL 555 STROBE INTERFACE CABLE - 2 connections to Strobelight



Extension Cables

MHM-65003-PBF 4-CH ADAPTER ACCEL INTERFACE CABLE 0.2M
MHM-65004-PBF ACCEL EXT CABLE. 5P M12 TO 5P M12 2M BLACK

Triaxial Cable

D25777 TRIAXIAL ACCEL CABLE, FW STRAIGHT 5P M12 TO 5P 1/2IN-20UNF

Channel A Cables

D25782 CH A ACCEL CABLE 5P M12 TO 2P MIL COILED 6FT BLACK - FIELD WIREABLE
D25480 CH A ACCEL CABLE 5P M12 TO 2P MIL STRAIGHT 5FT RED
D25483 CH A ACCEL CABLE 5P M12 TO BNC STRAIGHT 2M RED

Channel B Cables

D25481 CH B ACCEL CABLE 5P M12 TO 2P MIL STRAIGHT 5FT BLUE
D25484 CH B ACCEL CABLE 5P M12 TO BNC STRAIGHT 2M BLUE

Channel D Cables

D25525 CH D ACCEL CABLE, STRAIGHT BLACK 5PIN M12 TO BNC
D25526 H D ACCEL CABLE, STRAIGHT BLACK 5PIN M12 TO 2PIN MIL

Breakaway Cable

D25543 BREAKAWAY ACCEL CABLE ASM, 6FT. COILED, 5 PIN M12 CONN TO 2 PIN MIL CONN, CONSISTS OF TWO PARTS

Extension Cables

MHM-65006-PBF 4-CH VOLTS INTERFACE CABLE 8P M12 TO 8P M12 0.2M
MHM-65007-PBF TACH/VOLTS EXT CABLE 8P M12 TO 8P M12 2M BLACK

Volts Cables

Volts Cables CH A VOLTS CABLE 8P M12 TO BNC 4FT BLACK
D25506 2 WAY SPLITTER CABLE 8P M12 TO 2X BNC, VOLTS A, B
D25688 3 WAY SPLITTER CABLE 8P M12 TO 3X BNC 0.2M VOLTS A, B, TACH

SpeedVue Cables

D25473 SPEEDVUE CABLE 8P M12 TO 4P LEMO 24IN – used with SpeedVue
D25474 SPEEDVUE CABLE 8P M12 TO 4P LEMO 42IN BLACK – used with SpeedVue
D25475 SPEEDVUE CABLE 8P M12 TO 4P LEMO 6FT – used with SpeedVue

Phototach Cables

D25472 TACH CABLE 8P M12 TO BNC 4FT BLACK – used with Phototach
D25476 TACH CABLE 8P-M12 TO AMP CONNECTOR 2M BLACK – used with Phototach



D25494 CH A ACCEL CABLE 2P MIL TO 3P HALF BREAKAWAY COILED 6FT BLACK
D25495 CH A ACCEL CABLE 5P MIL TO 3P HALF BREAKAWAY 15IN BLACK

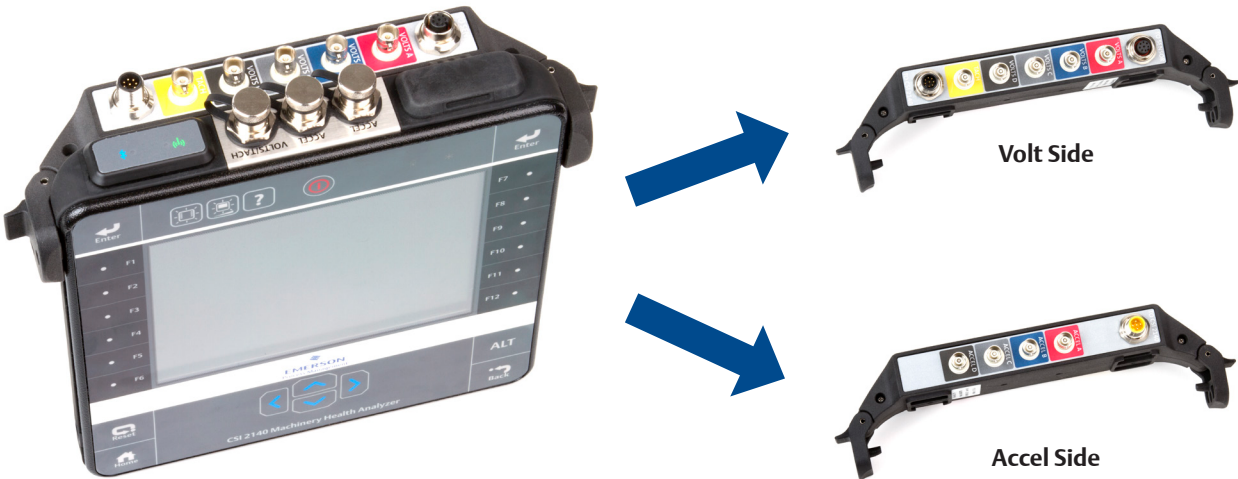
AMS 2140 – Multi-channel input
(all options)



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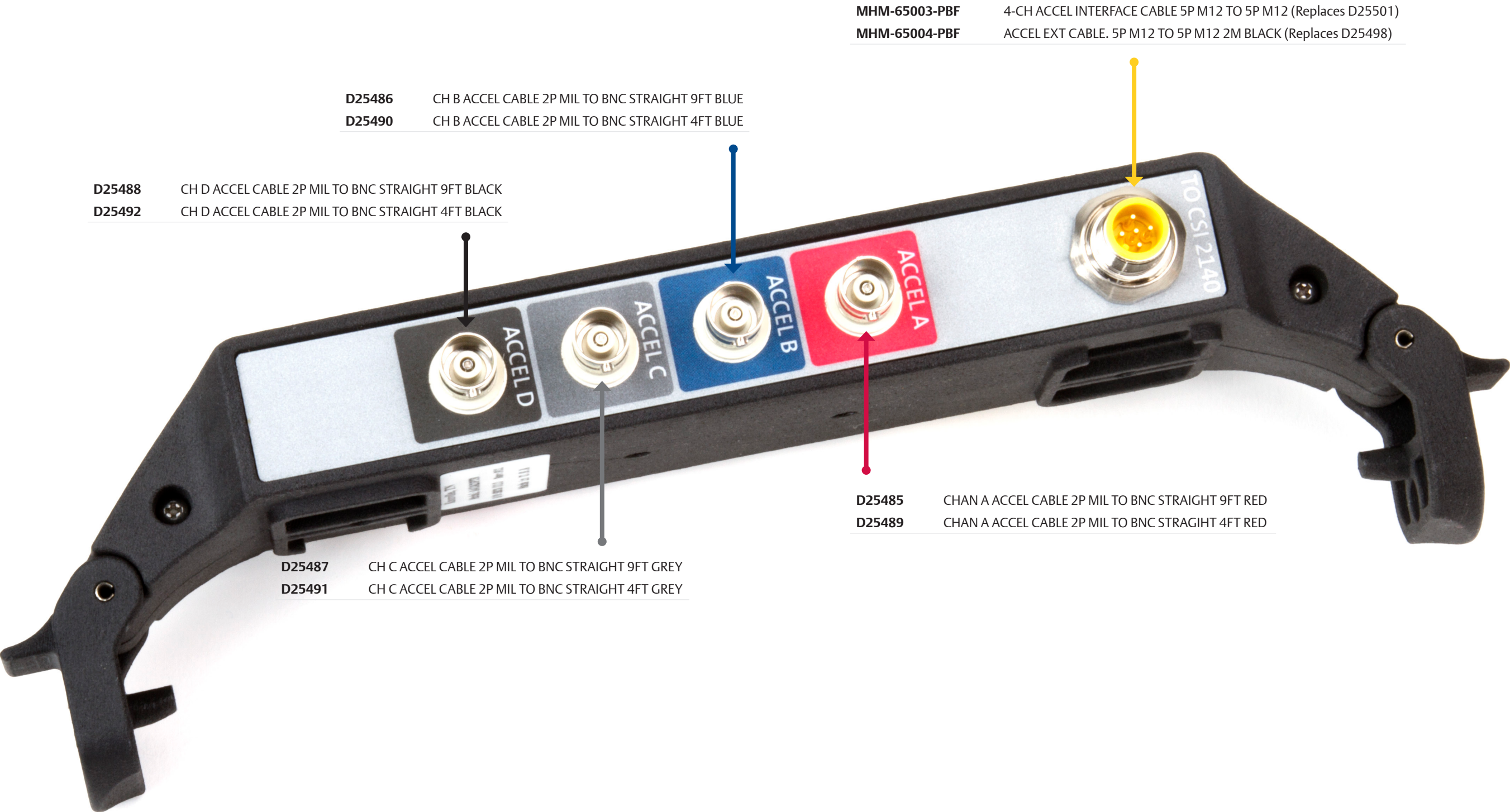
OR

D25504	Accel splitter cable A and B, M12 to 2X BNC
D25505	Accel splitter cable C and D, M12 to 2X BNC
D25506	Volts A and B M12 to BNC splitter cable
D25688	3 WAY SPLITTER CABLE 8P M12 TO BNC 0.2M VOLTS A, VOLTS B, TACH



	(For Non-Hazardous Areas ONLY)
A40ADPTR	4CH INPUT ADAPTER PACKAGE - WRAPS AROUND THE BACK OF THE AMS 2140 AND IS REVERSIBLE FOR USING UP TO 4 SENSOR INPUTS PLUS A TACHOMETER INPUT. ACCEL INPUTS ON ONE SIDE AND VOLT INPUTS ON THE OTHER. NOTE: Not approved for use in hazardous rated areas. Can be used with the shoulder strap. This P/N ships with 2 connector cables: ■ MHM-65003-PBF (replaced D25501) ■ MHM-65006-PBF (replaced D25502)
B40ADPTR	4CH Input Adapter only (WITHOUT CABLES).

AMS 2140 – A40ADPTR Input Adapter: ACCEL
(Non-Hazardous Areas ONLY)



MHM-65003-PBF 4-CH ACCEL INTERFACE CABLE 5P M12 TO 5P M12 (Replaces D25501)
MHM-65004-PBF ACCEL EXT CABLE. 5P M12 TO 5P M12 2M BLACK (Replaces D25498)

D25486 CH B ACCEL CABLE 2P MIL TO BNC STRAIGHT 9FT BLUE
D25490 CH B ACCEL CABLE 2P MIL TO BNC STRAIGHT 4FT BLUE

D25488 CH D ACCEL CABLE 2P MIL TO BNC STRAIGHT 9FT BLACK
D25492 CH D ACCEL CABLE 2P MIL TO BNC STRAIGHT 4FT BLACK

D25485 CHAN A ACCEL CABLE 2P MIL TO BNC STRAIGHT 9FT RED
D25489 CHAN A ACCEL CABLE 2P MIL TO BNC STRAGIHT 4FT RED

D25487 CH C ACCEL CABLE 2P MIL TO BNC STRAIGHT 9FT GREY
D25491 CH C ACCEL CABLE 2P MIL TO BNC STRAIGHT 4FT GREY

AMS 2140 – A40ADPTR Input Adapter: VOLTS

(Non-Hazardous Areas ONLY)

For Use with SpeedVue (Provides Power)

- D25473 SPEEDVUE CABLE 8P M12 TO 4P LEMO 24IN
- D25474 SPEEDVUE CABLE 8P M12 TO 4P LEMO 42IN BLACK
- D25475 SPEEDVUE CABLE 8P M12 TO 4P LEMO 6FT

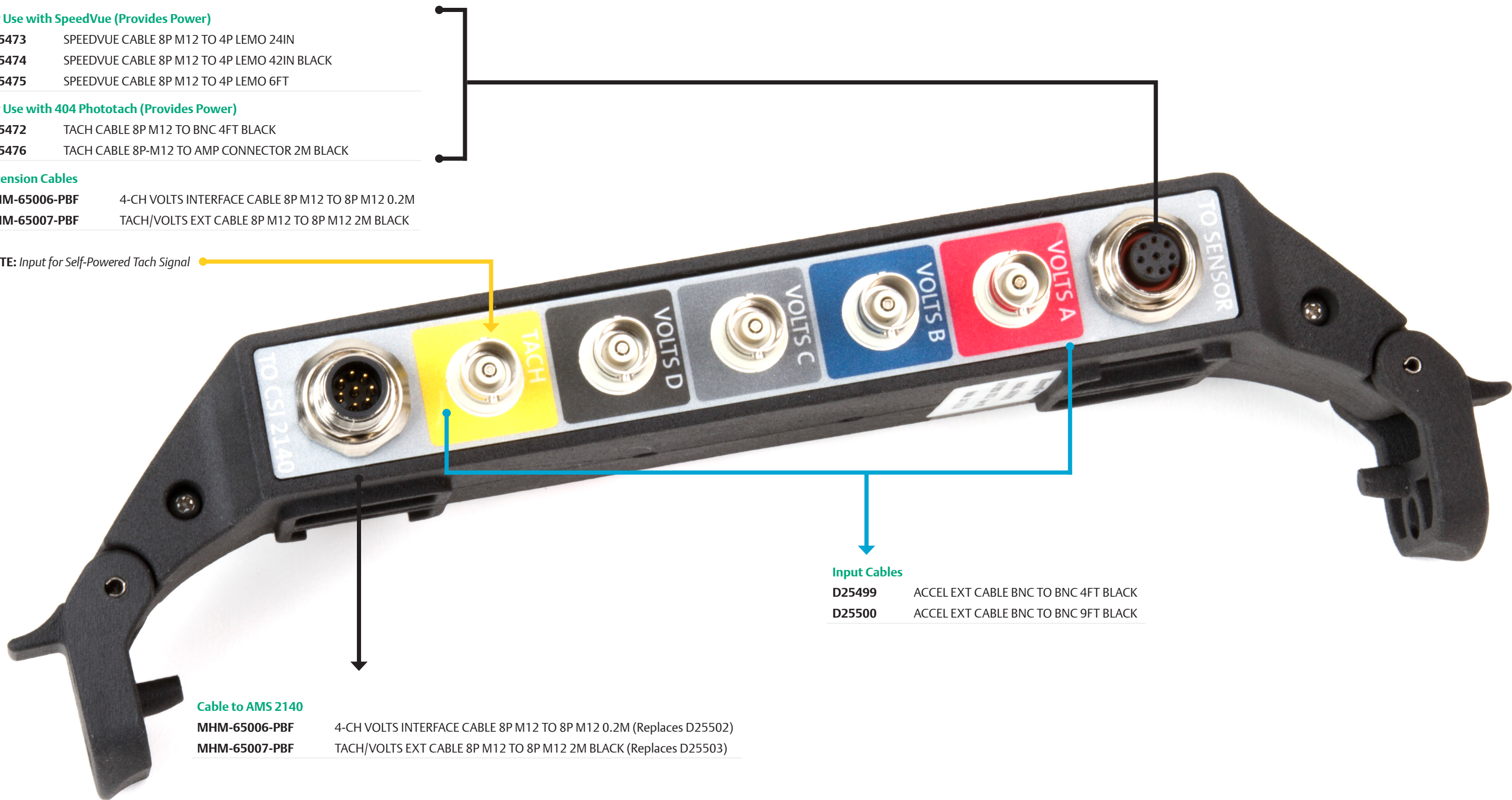
For Use with 404 Phototach (Provides Power)

- D25472 TACH CABLE 8P M12 TO BNC 4FT BLACK
- D25476 TACH CABLE 8P-M12 TO AMP CONNECTOR 2M BLACK

Extension Cables

- MHM-65006-PBF 4-CH VOLTS INTERFACE CABLE 8P M12 TO 8P M12 0.2M
- MHM-65007-PBF TACH/VOLTS EXT CABLE 8P M12 TO 8P M12 2M BLACK

NOTE: Input for Self-Powered Tach Signal



Cable to AMS 2140

- MHM-65006-PBF 4-CH VOLTS INTERFACE CABLE 8P M12 TO 8P M12 0.2M (Replaces D25502)
- MHM-65007-PBF TACH/VOLTS EXT CABLE 8P M12 TO 8P M12 2M BLACK (Replaces D25503)

Input Cables

- D25499 ACCEL EXT CABLE BNC TO BNC 4FT BLACK
- D25500 ACCEL EXT CABLE BNC TO BNC 9FT BLACK

AMS 2140
(Single Input in Hazardous Areas)*



Triaxial Cable
D25777 TRIAXIAL ACCEL CABLE, FW STRAIGHT 5P M12 TO 5P 1/2IN-20UNF

Channel A Cables
D25782 CH A ACCEL CABLE 5P M12 TO 2P MIL COILED 6FT BLACK - FIELD WIREABLE
D25480 CH A ACCEL CABLE 5P M12 TO 2P MIL STRAIGHT 5FT RED
D25483 CH A ACCEL CABLE 5P M12 TO BNC STRAIGHT 2M RED

Channel B Cables
D25481 CH B ACCEL CABLE 5P M12 TO 2P MIL STRAIGHT 5FT BLUE
D25484 CH B ACCEL CABLE 5P M12 TO BNC STRAIGHT 2M BLUE

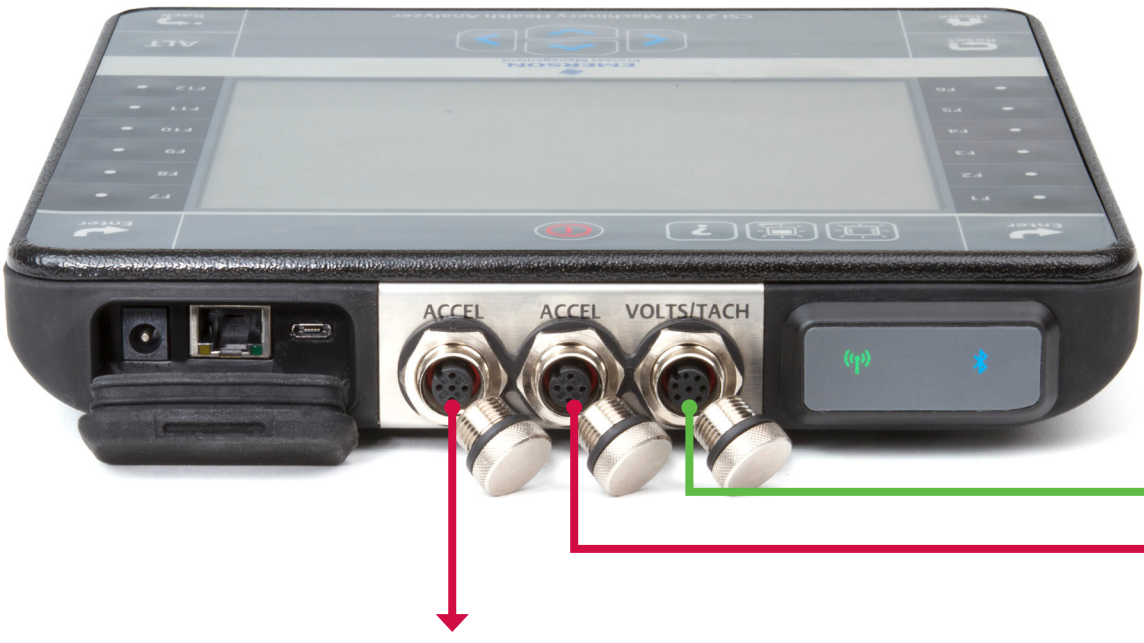
Channel D Cables
D25525 CH D ACCEL CABLE, STRAIGHT BLACK 5PIN M12 TO BNC
D25526 CH D ACCEL CABLE, STRAIGHT BLACK 5PIN M12 TO 2PIN MIL

Breakaway Cable
D25543 BREAKAWAY ACCEL CABLE ASM, 6FT. COILED, 5 PIN M12 CONN TO 2 PIN MIL CONN, CONSISTS OF TWO PARTS

Volts Cable
D25506 2 WAY SPLITTER CABLE 8P M12 TO 2X BNC, VOLTS A, B
NOTE: Any connections to this port must adhere to the permissible entity parameters.*



AMS 2140
(Multi-sensor input in Hazardous Areas)*



D25504	Accel splitter cable A and B, M12 to 2X BNC
D25485	CH A ACCEL CABLE 2P MIL TO BNC STRAIGHT 9FT RED
D25489	CH A ACCEL CABLE 2P MIL TO BNC STRAGIHT 4FT RED
D25486	CH B ACCEL CABLE 2P MIL TO BNC STRAIGHT 9FT BLUE
D25490	CH B ACCEL CABLE 2P MIL TO BNC STRAIGHT 4FT BLUE

D25505	Accel splitter cable C and D, M12 to 2X BNC
D25487	CH C ACCEL CABLE 2P MIL TO BNC STRAIGHT 9FT GREY
D25491	CH C ACCEL CABLE 2P MIL TO BNC STRAIGHT 4FT GREY
D25488	CH D ACCEL CABLE 2P MIL TO BNC STRAIGHT 9FT BLACK
D25492	CH D ACCEL CABLE 2P MIL TO BNC STRAIGHT 4FT BLACK

D25506	Volts A and B M12 to BNC splitter cable
NOTE: Any connections to this port must adhere to the permissible entity parameters.*	



Extension Cables	
D25499	ACCEL EXT CABLE BNC TO BNC 4FT BLACK
D25500	ACCEL EXT CABLE BNC TO BNC 9FT BLACK

AMS 2140 Model String Options

Power and Storage Solutions

External Charging Kit (Option “E”)



A40EXCHRG
EXTERNAL BATTERY CHARGER



B2140BATPACK
BATTERY PACK



MHM-93046-PBF
POWER SUPPLY, EXTERNAL, DESKTOP UNIV AC LINE-IN, 15VDC@4A OUT



Use the external battery charger to charge the spare battery pack. Swap the battery packs when you need extra run time.

Hard Shell Carry Case (Option “H”)

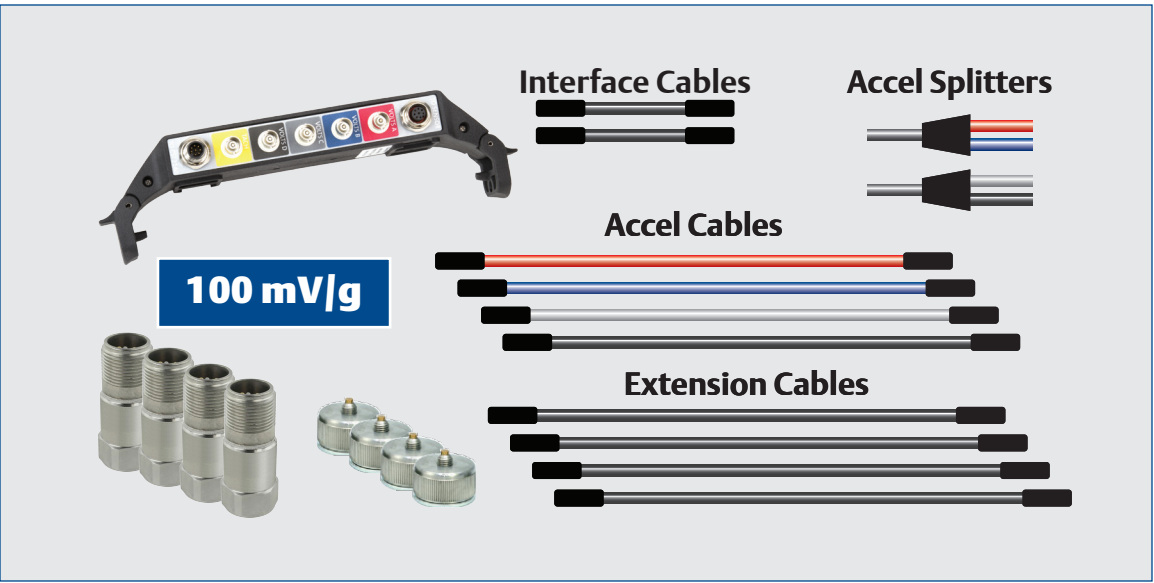


A2140CASE
HARDSHELL CASE - VERY DURABLE, IMPACT RESISTANT, WATERPROOF, PELICAN HARD SIEDED CARRY CASE FOR THE AMS 2140

AMS 2140 Model String Options – Sensor Kits
(Option “K”) 4 Sensor Kit with Accessories
for Multi-Channel Analysis

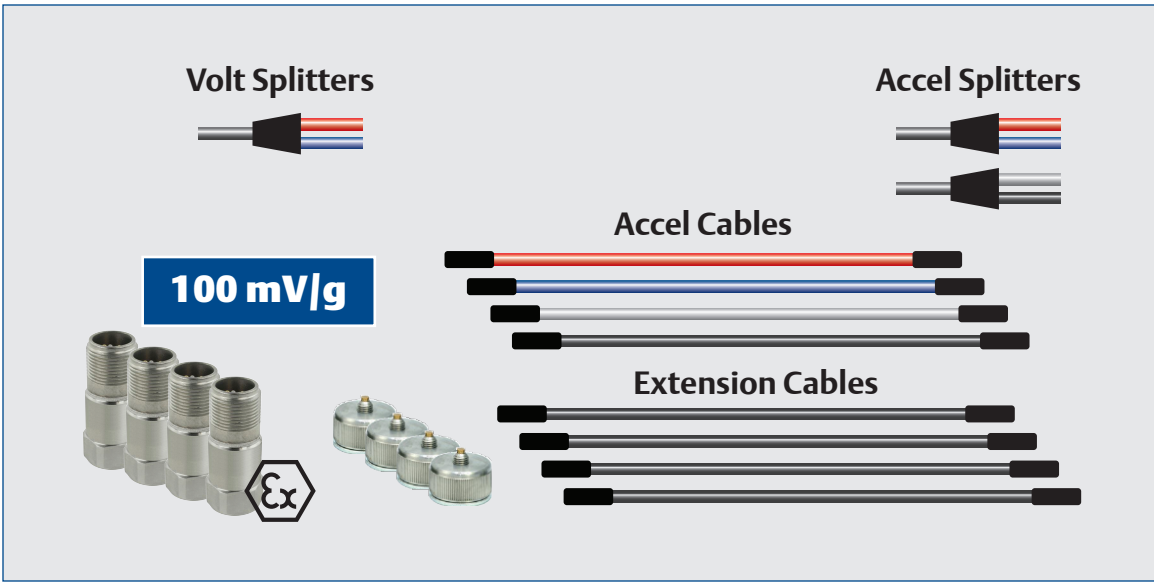
A21404CHACC-ADV
Non-rated

Item	Description	Qty
B40ADPTR	4CH Input Adapter - Wraps around the back of AMS 2140	1
A0760GP	ACCEL, 100MV/G ±5%, 0.5HZ-10KHZ, IP68, CE	4
A090835	MAGNET 2 POLE, 1IN CURVED SURFACE	4
D25489	CH A ACCEL CABLE 2P MIL TO BNC 4FT RED	1
D25490	CH B ACCEL CABLE 2P MIL TO BNC 4FT BLUE	1
D25491	CH C ACCEL CABLE 2P MIL TO BNC 4FT GREY	1
D25492	CH D ACCEL CABLE 2P MIL TO BNC 4FT BLACK	1
D25499	ACCEL EXT CABLE BNC TO BNC 4FT BLACK	4
D25504	ACCEL SPLITTER CABLE - A & B 5P M12 TO 2XBNC	1
D25505	ACCEL SPLITTER CABLE - C & D 5P M12 TO 2XBNC	1
MHM-65006-PBF	VOLTS ADAPTER INTERFACE CABLE, 0.2M	1
MHM-65003-PBF	ACCEL ADAPTER INTERFACE CABLE, 0.2M	1



A2140Q4CHACC-ADV
Rated (For use with Option “KL” or “EX”)

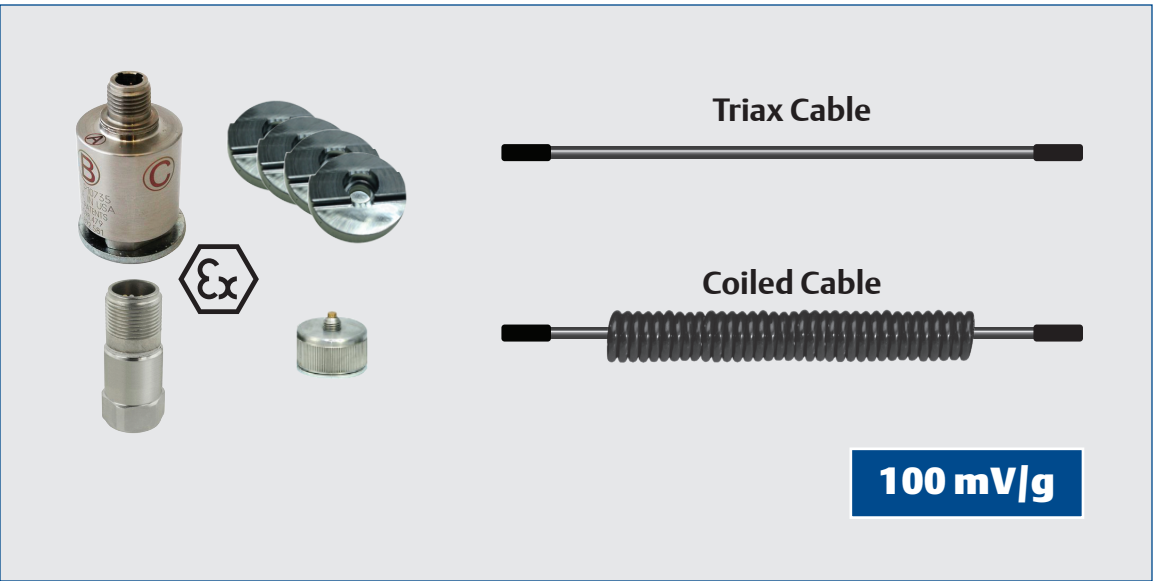
Item	Description	Qty
A0761GP-EX	IS ACCEL, 100MV/G ±5%, 0.5HZ-10KHZ, IP68, CE	4
A090835	MAGNET 2 POLE, 1IN CURVED SURFACE	4
D25489	CH A ACCEL CABLE 2P MIL TO BNC 4FT RED	1
D25490	CH B ACCEL CABLE 2P MIL TO BNC 4FT BLUE	1
D25491	CH C ACCEL CABLE 2P MIL TO BNC 4FT GREY	1
D25492	CH D ACCEL CABLE 2P MIL TO BNC 4FT BLACK	1
D25499	ACCEL EXT CABLE BNC TO BNC 4FT BLACK	4
D25504	ACCEL SPLITTER CABLE - A & B 5P M12 TO 2XBNC	1
D25505	ACCEL SPLITTER CABLE - C & D 5P M12 TO 2XBNC	1
D25506	VOLT SPLITTER CABLE - A & B 8P M12 TO 2XBNC	1



AMS 2140 Model String Options – Sensor Kits
(Option “X”) Triax plus Standard Accel with
Coiled Cable for Routine Data Collection

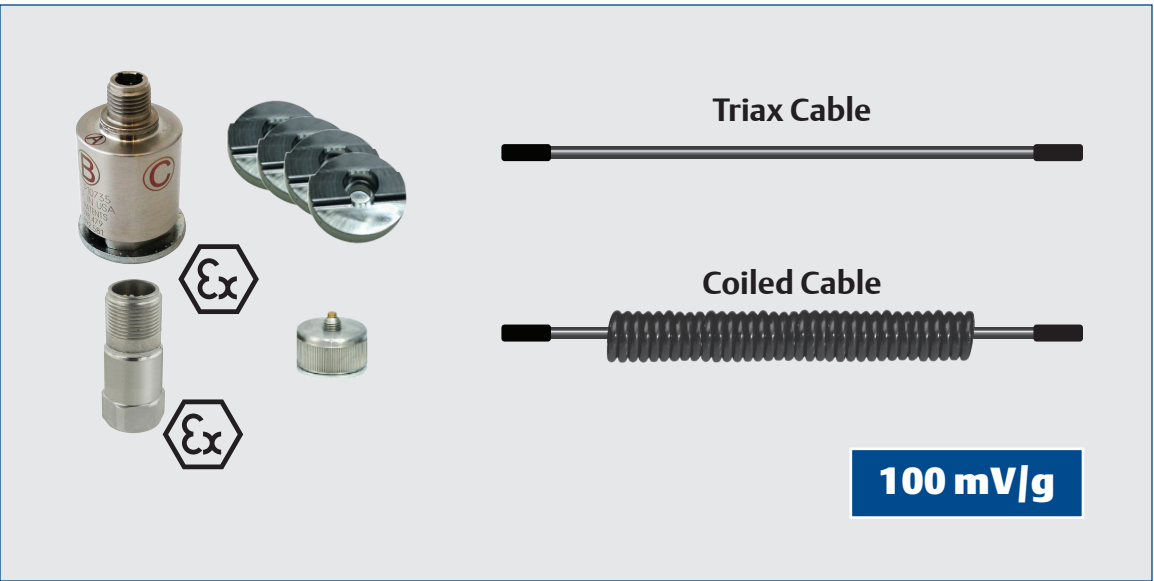
A21404CHACC-TU
Non-rated

Item	Description	Qty
A0643TX-EX	SAFETY RATED INTEGRAL MAGNET TRIAX ACCEL	1
D24826	MOUNTING PAD, TRIAX A0643TX	4
D25777	TRIAXIAL ACCEL CABLE, 5P M12 TO 5P 1/2IN-20UNF	1
A0760GP	ACCEL, 100MV/G ±5%, 0.5HZ-10KHZ, IP68, CE	1
A090835	MAGNET 2 POLE, 1IN CURVED SURFACE	1
D25782	CH A ACCEL COILED CABLE 5P M12 TO 2P MIL 6FT	1



A2140Q4CHACC-TU
Rated (For use with Option “KL” or “EX”)

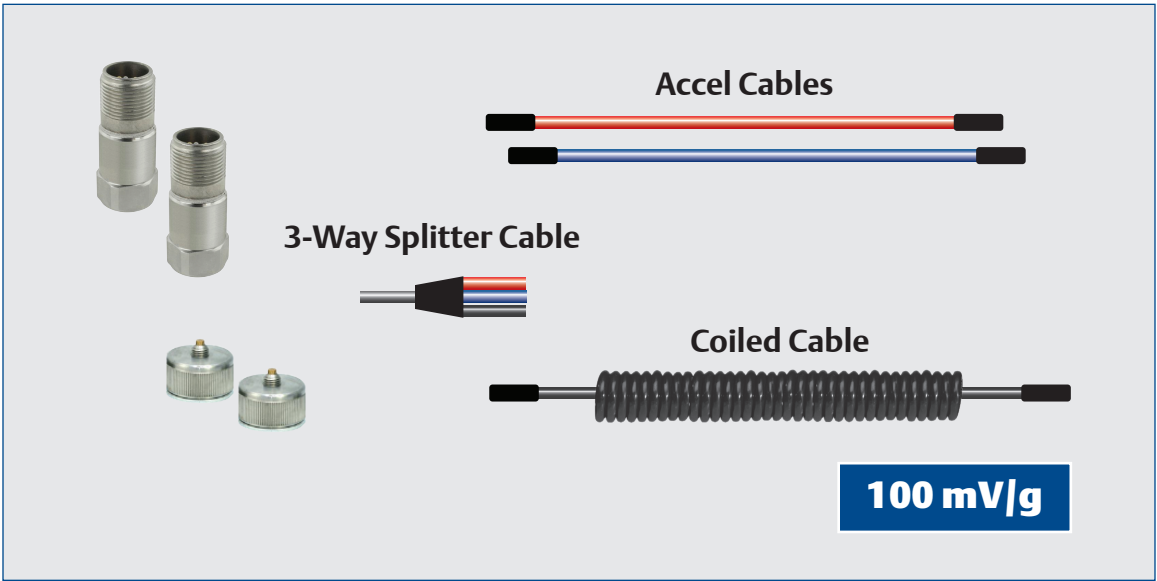
Item	Description	Qty
A0643TX-EX	SAFETY RATED INTEGRAL MAGNET TRIAX ACCEL	1
D24826	MOUNTING PAD, TRIAX A0643TX	4
D25777	TRIAXIAL ACCEL CABLE, 5P M12 TO 5P 1/2IN-20UNF	1
A0760GP	ACCEL, 100MV/G ±5%, 0.5HZ-10KHZ, IP68, CE	1
A090835	MAGNET 2 POLE, 1IN CURVED SURFACE	1
D25782	CH A ACCEL COILED CABLE 5P M12 TO 2P MIL 6FT	1



AMS 2140 Accessory Package – 2 Channel

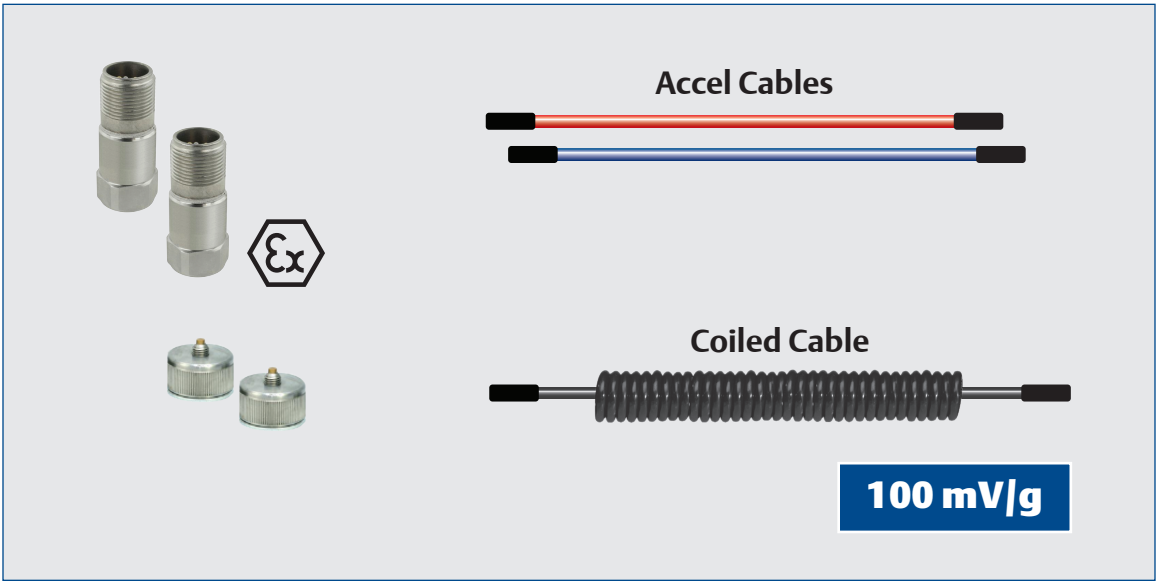
A21402CHACC-TU
Non-rated

Item	Description	Qty
D25480	CH A ACCEL CABLE 5P M12 TO 2P MIL STRAIGHT 5FT RED	1
D25481	CH B ACCEL CABLE 5P M12 TO 2P MIL STRAIGHT 5FT BLUE	1
A0760GP	ACCEL, 100MV/G ±5%, 0.5HZ-10KHZ, IP68, CE	2
A090835	MAGNET 2 POLE, 1IN CURVED SURFACE	2
D25688	3 WAY SPLITTER CABLE 8P M12 TO BNC 0.2M RED, BLUE & TACH	1
D25782	CH A ACCEL COILED CABLE 5P M12 TO 2P MIL 6FT	1



A2140Q2CHACC-TU
Rated (For use with Option “KL” or “EX”)

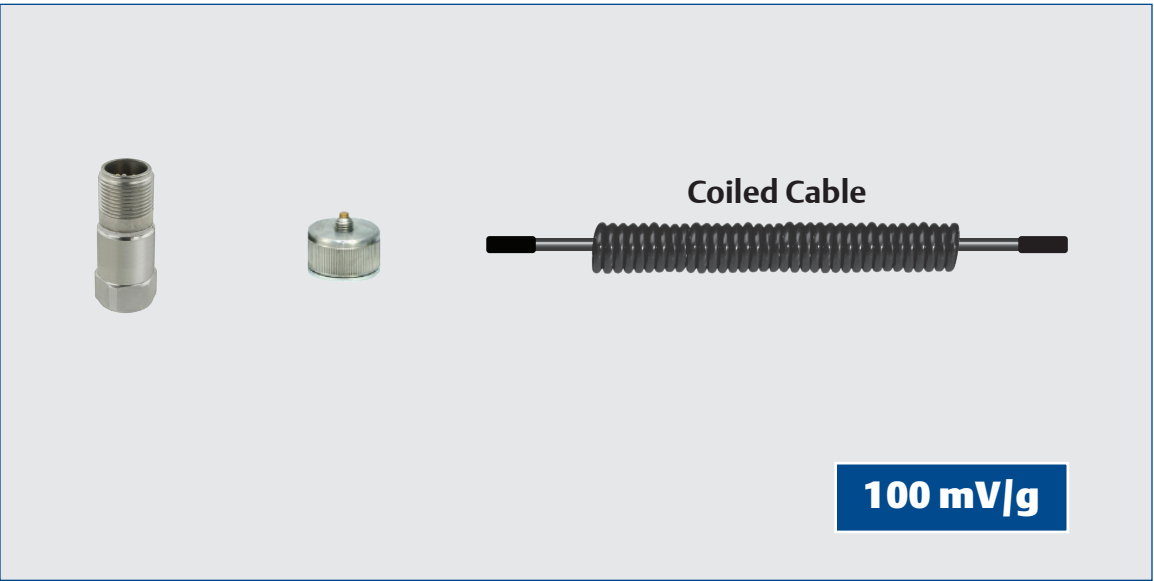
Item	Description	Qty
D25480	CH A ACCEL CABLE 5P M12 TO 2P MIL STRAIGHT 5FT RED	1
D25481	CH B ACCEL CABLE 5P M12 TO 2P MIL STRAIGHT 5FT BLUE	1
A0761GP-EX	IS ACCEL, 100MV/G ±5%, 0.5HZ-10KHZ, IP68, CE	2
A090835	MAGNET 2 POLE, 1IN CURVED SURFACE	2
D25782	CH A ACCEL COILED CABLE 5P M12 TO 2P MIL 6FT	1



AMS 2140 Accessory Package – 1 Channel

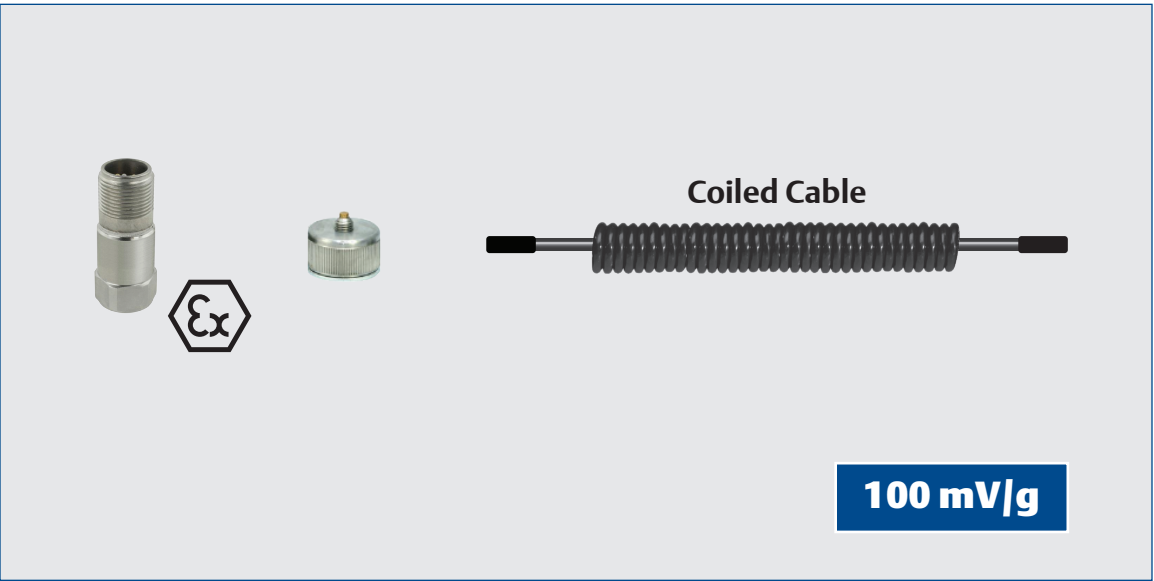
A21401CHACC-TU
Non-rated

Item	Description	Qty
A0760GP	ACCEL, 100MV/G ±5%, 0.5HZ-10KHZ, IP68, CE	1
A090835	MAGNET 2 POLE, 1IN CURVED SURFACE	1
D25782	CH A ACCEL COILED CABLE 5P M12 TO 2P MIL 6FT	1



A2140Q1CHACC-TU
Rated (For use with Option “KL” or “EX”)

Item	Description	Qty
A0761GP-EX	IS ACCEL, 100MV/G ±5%, 0.5HZ-10KHZ, IP68, CE	1
A090835	MAGNET 2 POLE, 1IN CURVED SURFACE	1
D25782	CH A ACCEL COILED CABLE 5P M12 TO 2P MIL 6FT	1

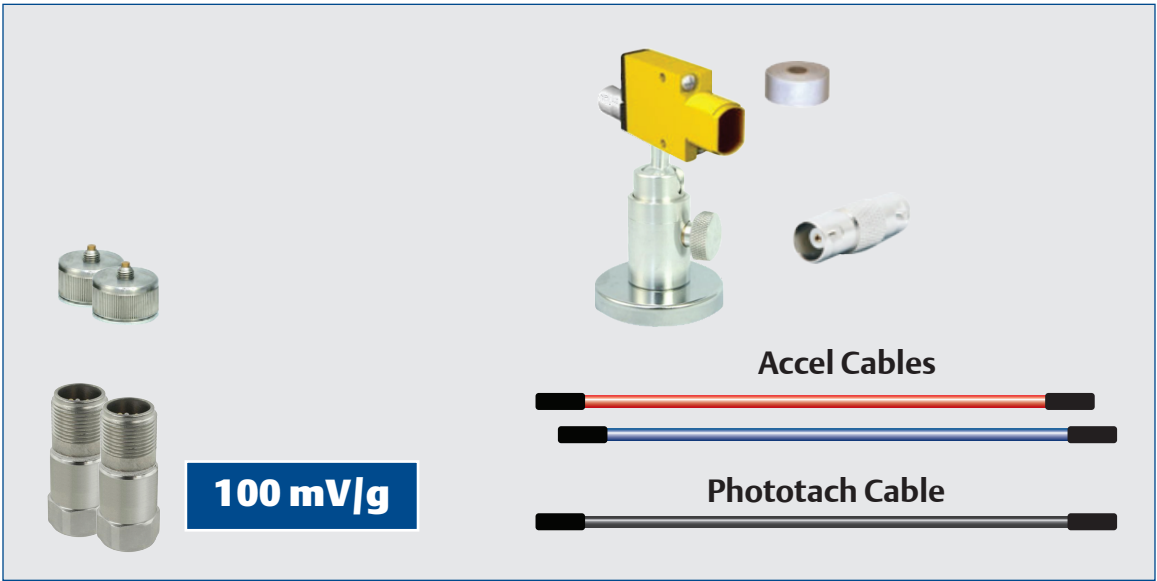


AMS 2140 Balancing Accessory Packages

B1740P1

AMS 2140 STANDARD BALANCING PACKAGE

Item	Description	Qty
A0760GP	ACCEL, 100MV/G ±5%, 0.5HZ-10KHZ, IP68, CE	2
D25485	CH A ACCEL CABLE 2P MIL TO BNC STRAIGHT 9FT RED	1
D25486	CH B ACCEL CABLE 2P MIL TO BNC STRAIGHT 9FT BLUE	1
A090835	MAGNET 2 POLE, 1IN CURVED SURFACE	2
B40405	404B PROBE	1
D25476	404 TACH CABLE 8P M12 TO AMP CONNECTOR 2M	1
B404-BASE	404 ADJUSTABLE MAGNETIC BASE	1
A403	403 TACHOMETER REFLECTIVE TAPE	1



B1740P2

AMS 2140 ADVANCED BALANCING PACKAGE

Item	Description	Qty
A0760GP	ACCEL, 100MV/G ±5%, 0.5HZ-10KHZ, IP68, CE	2
D25485	CH A ACCEL CABLE 2P MIL TO BNC STRAIGHT 9FT RED	1
D25486	CH B ACCEL CABLE 2P MIL TO BNC STRAIGHT 9FT BLUE	1
A090835	MAGNET 2 POLE, 1IN CURVED SURFACE	2
B40405	404B PROBE	1
D25472	TACH CABLE 8P M12 TO BNC 4FT BLACK	1
A040801	408 BATTERY PACK	1
B404-BASE	404 ADJUSTABLE MAGNETIC BASE	1
A403	403 TACHOMETER REFLECTIVE TAPE	2
A8BA1	BALANCING COMPASS	1
A650	ADAPTER, BNC BARREL, BNC (F) TO BNC (F)	1
D24786	1730 BALANCE KIT CASE	1
A40ADPTR	AMS 2140 4CH Input Adapter- 4-channel input adapter	1

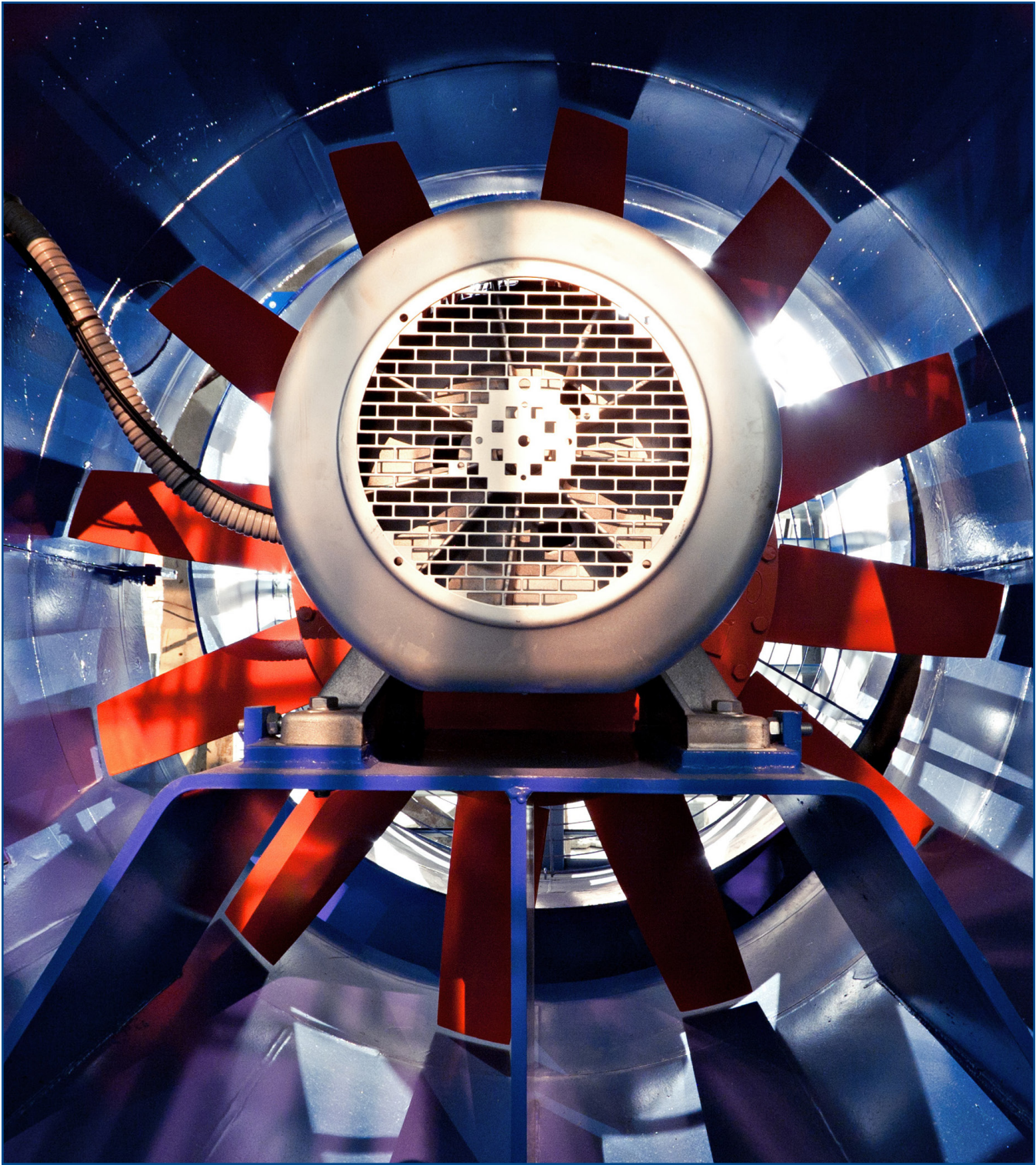
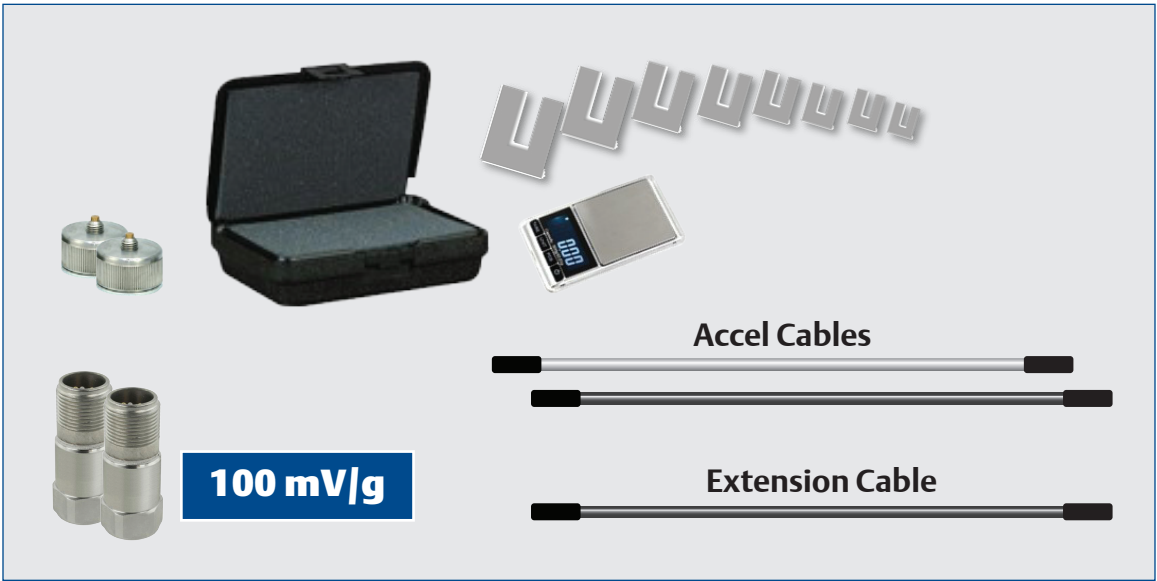


AMS 2140 Balancing Accessory Packages

A174001

2-4 SENSOR UPGRADE PACKAGE FOR AMS 2140 BALANCE PACKAGE

Item	Description	Qty
A0760GP	ACCEL, 100MV/G ±5%, 0.5HZ-10KHZ, IP68, CE	2
D25487	CH C ACCEL CABLE 2P MIL TO BNC STRAIGHT 9FT GREY	1
D25488	CH D ACCEL CABLE 2P MIL TO BNC STRAIGHT 9FT BLACK	1
MHM-65007-PBF	CABLE ASSEMBLY AMS 2140 VOLTS EXTENSION CABLE	1
A090835	MAGNET 2 POLE, 1IN CURVED SURFACE	2
A8BA25	BALANCE SCALES & TRIAL WGHT KIT	1
MHM-97546-PBF	Envelope Documentation 6in x 9in White Wove w/Graphics	1



Power Source

MHM-93046-PBF
POWER SUPPLY, EXTERNAL,
DESKTOP UNIV AC LINE-IN,
15VDC@4A OUT, FERRITE CABLE

[NOTE: Add appropriate cord set
for end user location.]

Ethernet

USB 2.0

MHM-93368-PBF
USB 2.0 2 METERS USB STD-A
PLUG USB MICRO-B PLUG

**Bluetooth to
Accessories**

**Wireless Ethernet to
AMS Machinery Manager**

Wireless-Ethernet

A2140RF2
WIRELESS MODULE ENABLES
BLUETOOTH AND WIRELESS ETHERNET



A8240
LASER ALIGNMENT KIT
FOR AMS 2140



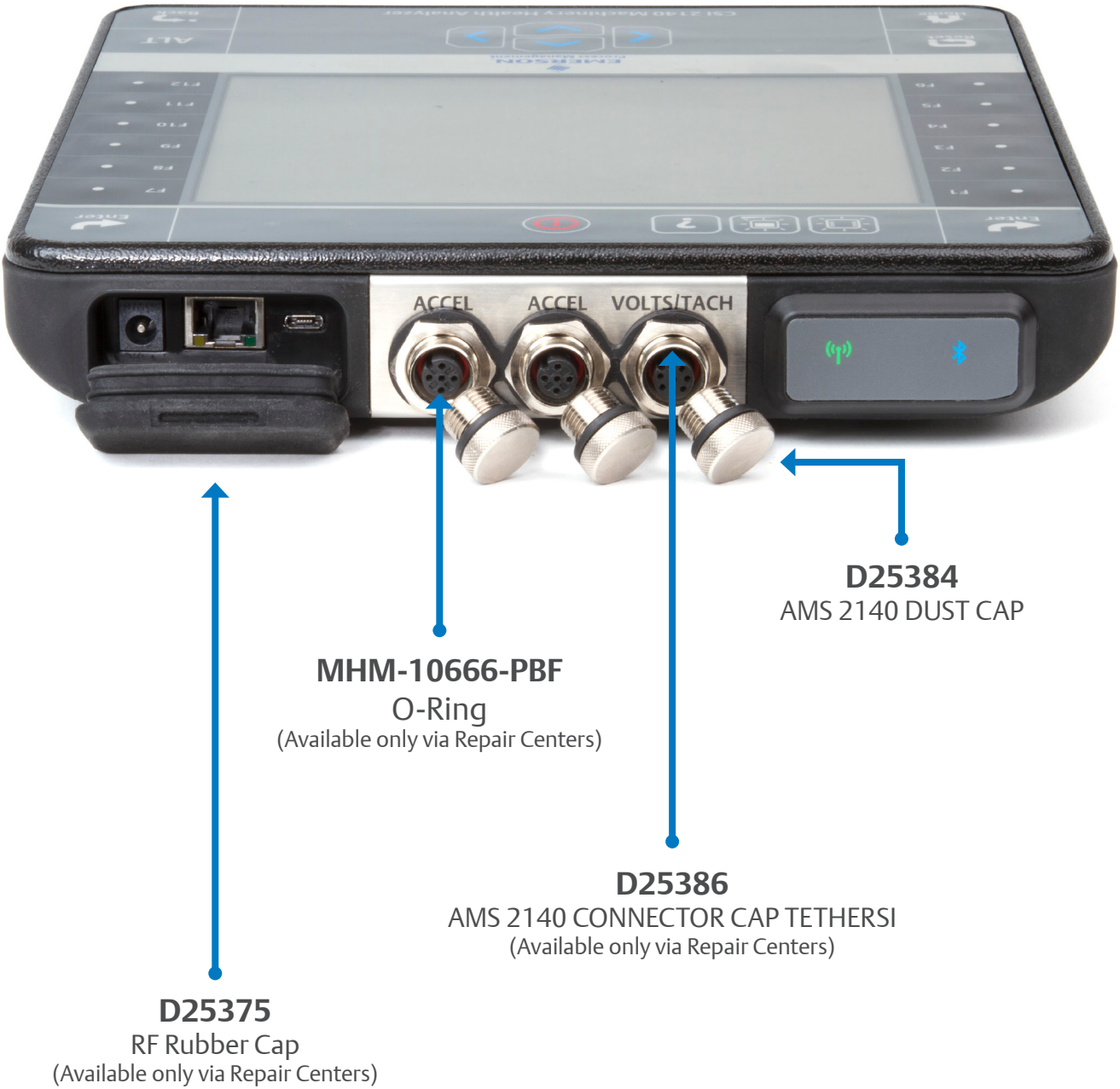
A647BT
BLUETOOTH HEADPHONES
FOR AMS 2140



377BT
BLUETOOTH TEMPERATURE GUN
(Order directly from Manufacturer
www.testproductsintl.com)

AMS 2140 – Small Accessory Items

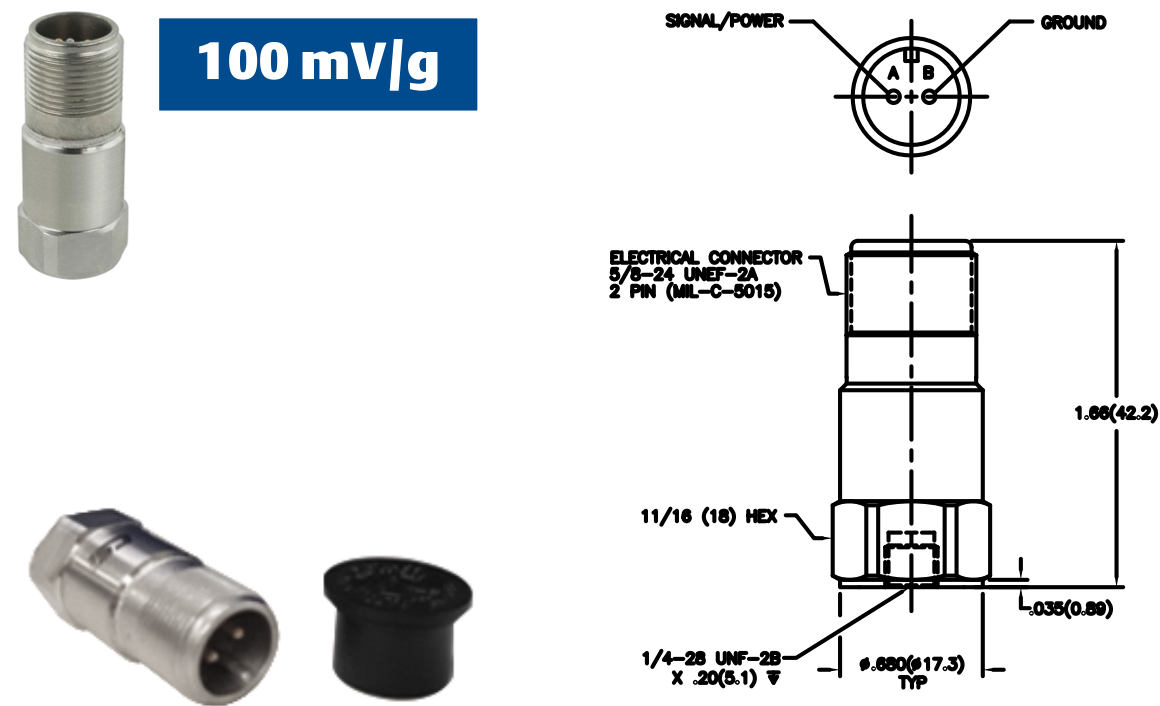
	A914 – ADAPTER 914 MOUNT STUD 10-32 TO 1/4-28 For use with magnets or sensors with removable mounting studs for converting to 10-32 threading
	A915 – ADAPTER 915 MOUNT STUD 10-32 TO 10-32
	A916 – ADAPTER. 916 MOUNT STUD 1/4-28 TO 1/4-28
	MHM-62390-PBF – MOUNTING STUD, 1/2-20 UNF TO M8X1.0 THREAD
	MHM-62392-PBF – MOUNTING STUD, 1/2-20 UNF TO M8X1.25 THREAD MOUNTING STUD, 1/2-20 UNF TO M8X1.25 THREAD FOR USE WITH THE A0394 SERIES OF SENSORS
	MHM-62394-PBF – MOUNTING STUD, 1/2-20 UNF TO M6X1.0 THREAD
	MHM-85493 – Mounting base, 1/2-20 UNF OD thds, integral 1/4-28 stud, tapped 1/8in hex hole (for A0394 and A0322 Series accels)



AMS 2140 Accessories – Sensors – Top Exit

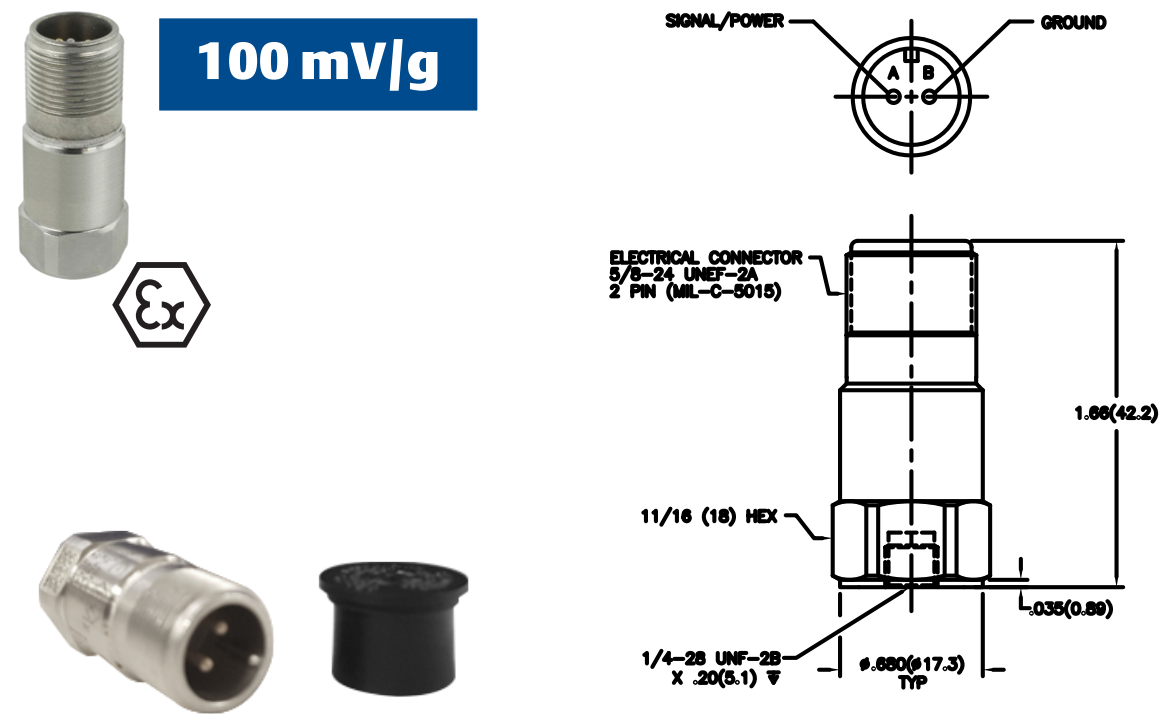
Non-Safety Rated

A0760GP HIGH LINEAR FREQUENCY; ACCEL, 100MV/G ±5%, TOP C5015 CONN, 0.5HZ-10KHZ, IP68, CE



Safety Rated

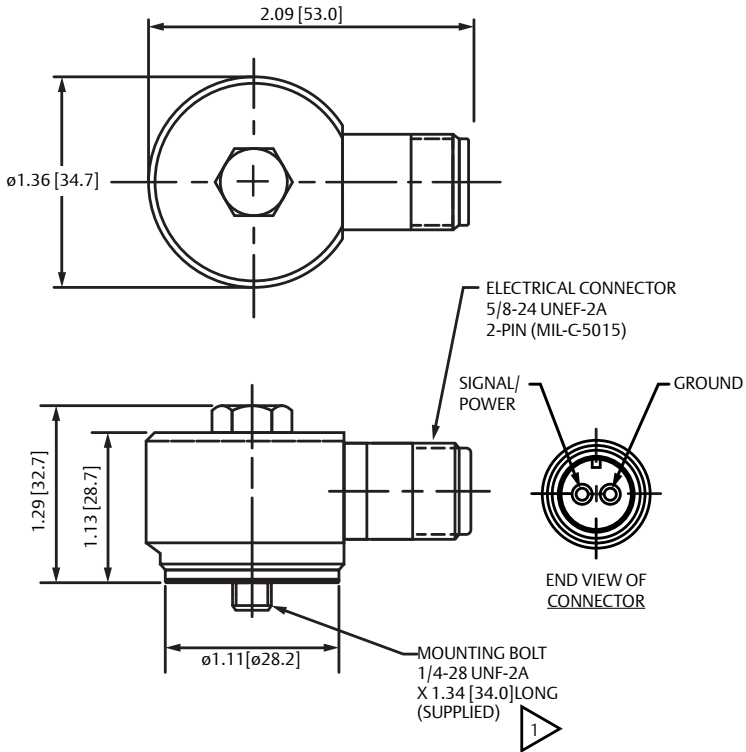
A0761GP-EX MULTIPLE AGENCY APPROVALS; ACCEL, 100MV/G ±5%, TOP C5015 CONN, 0.5HZ-10KHZ, IP68, CE, CSA, ATEX



AMS 2140 Accessories – Sensors – Side Exit

Non-Safety Rated

A0710GP GENERAL PURPOSE; ACCEL, 100MV/G ±5%, SIDE C5015 CONN, 0.2HZ-10.5KHZ, IP68, CE

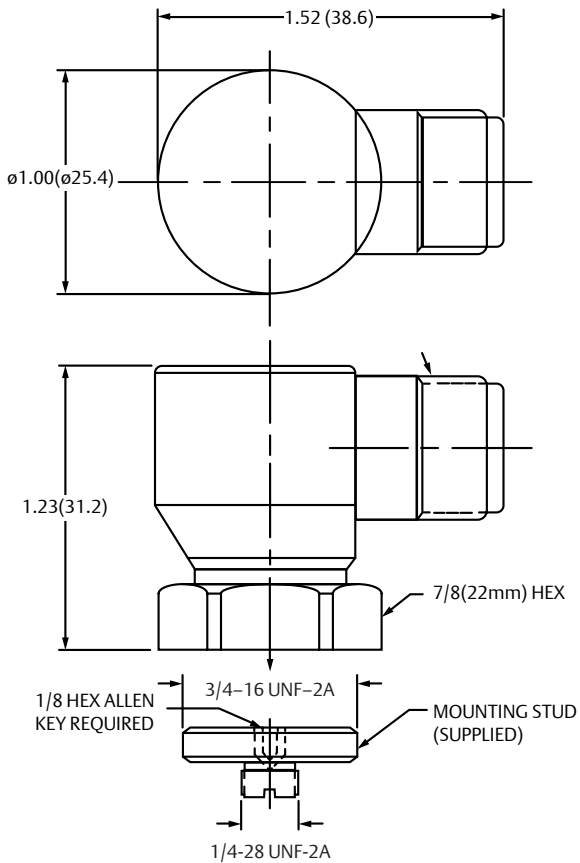


100 mV/g



Non-Safety Rated

A0322RM HIGH LINEAR FREQUENCY; ACCEL, 100MV/G ±5%, TOP C5015 CONN, 0.5HZ-10KHZ, IP68, CE



100 mV/g

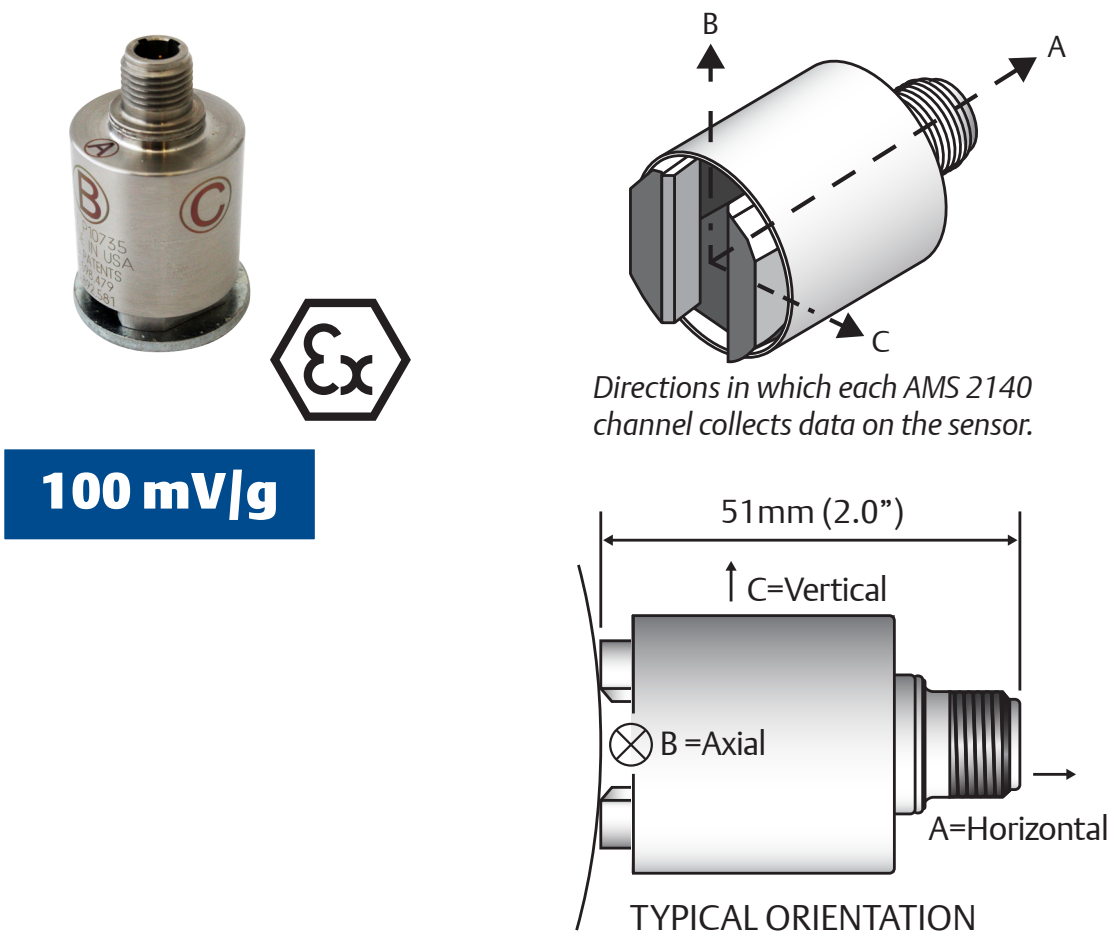


A0322LC-NT QUICK RELEASE NUT & BASE, STAINLESS STEEL, 1/4-28

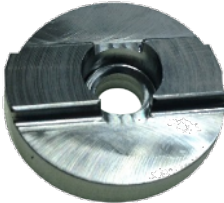
TOP EXIT – TRIAXIAL

A0643TX-EX
SAFETY RATED INTEGRAL MAGNET TRIAXIAL ACCELEROMETER

This small, hazardous area rated for Class1 Division 2 and ATEX/IECeX Zone 2 unique triaxial accelerometer attaches to the Model 2130 or AMS 2140 Machinery Health Analyzer by a single cable without the need for bulky adapters. It provides excellent measurements in all three axes using the integral magnet and the companion mounting pad (part#D24826 – Details on next slide). Collected data provides information about traditional machine health parameters such as imbalance, misalignment, and bearing condition, but also helps detect insufficient lubrication. For standard applications, this sensor can also be used as a quality, single axis accelerometer without the need for a mounting pad



TRIAX

FEATURED ACCESSORY	PART #	DESCRIPTION
	D25777	TRIAXIAL ACCEL CABLE, FW STRAIGHT 5P M12 TO 5P 1/2IN-20UNF
	D24826	MOUNTING PAD, TRIAX A0643TX This mounting pad is keyed to ensure that the A0643TX sensor is oriented in the proper direction while providing superior measurement results. It can either be glued onto the machine or it can be installed via an allen screw after drilling and tapping the measurement point location
	A0643TX-200	KIT WITH 200 MOUNTING PADS FOR TRIAX A0643TX