

# ***ACCELEROMETER PROTECTORS FOR INDUSTRIAL APPLICATIONS***



**WHEN RELIABILITY MATTERS  
CONNECT TO CONFIDENCE**



In industrial environments, many situations arise where extra protection for instrumentation is required. CTC has developed two styles of sensor protection for scenarios in which additional protection is needed.

### ***Protection for Top Exit Sensors***

CTC's **MH152-1A** top exit sensor protector is designed for use in harsh industrial environments where falling debris, caustic chemicals or other non-explosive hazards may occur.

Consisting of a two-part aluminum housing with three mounting holes for the base, the accelerometer protector is assembled easily in the field. Viton® seals resist dirt and corrosive chemicals. The top of the sensor protector is equipped with wrench flats in order to secure the two primary pieces together. A single 3/4-14 NPT plug is included with the housing for applications where two exits from the housing are not required.

The MH152-1A is sized so as to be able to easily accommodate all of the standard types of CTC top exit sensors, from our smallest AC140-1D sensor up to our tallest LP800 and LP900 series sensors.



***MH152-1A  
Protective accelerometer housing  
fully assembled except for the  
optional conduit. Two conduit  
access points are available, one  
on each side of the protective  
housing.***



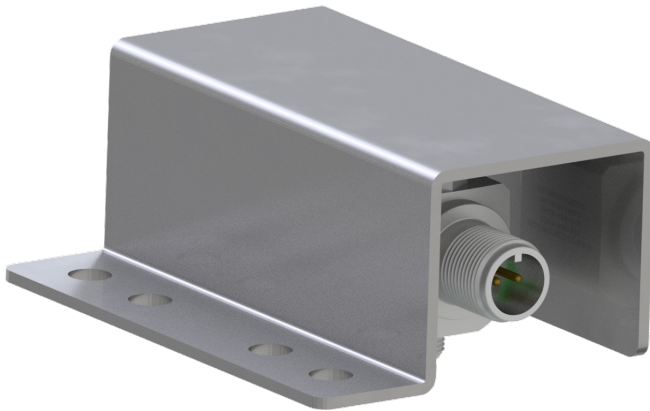
***Cutaway rendering of the  
MH152-1A, showing the sensor  
installed in the housing.***



### ***Protection for Side Exit Sensors***

The **MH148-1A** side exit sensor protector is intended for use in areas where the aluminum housing of the MH152-1A is not appropriate, or a side exit sensor must be used.

Made from 316 stainless steel, the MH148-1A is open at both ends for easy access to the sensor connection. Frequently employed in the mining industry, the sensor protectors are extremely durable and resistant to rust as well as the falling debris frequently found in mining applications.



***Rendering of the MH148-1A side exit sensor protector showing the four holes for ease of installation. Made from durable 316 stainless steel.***



CTC is the world leader in the design and manufacture of industrial accelerometers, piezo velocity transducers, 4-20 mA vibration sensors, and proximity probes as well as all related mounting hardware, cabling, and junction boxes. Our products enable efficient vibration monitoring for predictive maintenance in a wide variety of industries. Industries served include cement, mining, petrochemical, food & beverage, auto, steel, wind, paper & pulp, power generation, water & wastewater treatment, pharmaceutical, hospitals, bottling, and more. Our mission is to offer the widest variety of accelerometers and vibration hardware products, which are compatible with data collectors and online monitoring systems, as well as the tools for installation.



The CTC product line features vibration analysis hardware for heavy industry.

All CTC products are backed by our unconditional, lifetime warranty. If any CTC product should ever fail, we will repair or replace it at no charge.



The PRO line offers the industry's most reliable proximity probe sets.

All PRO products are backed by a lifetime warranty on materials and workmanship. PRO will repair or replace any of our products as long as the product was not subjected to misuse, neglect, natural disasters, improper installation, or modification.

All stock products may be returned for a 25% restocking fee if returned in new and unused condition within 90 days of shipment. Built-to-order and private-label products qualify for a 50% refund if returned in new and unused condition within 90 days of shipment. Custom products are quoted and built specifically to the requirements of the customer, which may include completely custom product design or private-labeled versions of standard products for OEM customers. Custom products are non-cancellable, non-returnable, and non-refundable.

