



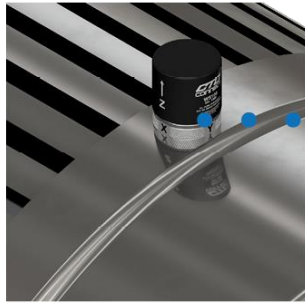
# **2025 YEAR IN REVIEW**

A YEAR OF INNOVATION

# Launches and Updates



# New Connect Line Wireless Solutions



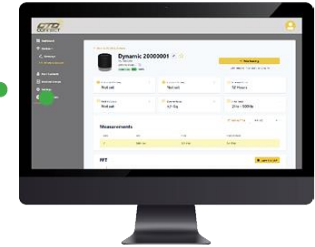
**ConnectSens™  
Wireless Sensor**



**ConnectBridge™  
Wireless Gateway**



**Your  
Network Switch**



**ConnectView™  
Web App  
or Your Own  
OEM Software**

# New ConnectSens™ Wireless Sensors

With the industry's best Bluetooth®  
line-of-sight range and a money-  
saving user-replaceable battery



## **WS100 Series**

Wireless triaxial overall vibration signal sensor and temperature output, 2,100 ft. (640 m) line-of-sight range



## **WS200 Series**

Wireless single-axis sensor with dynamic vibration signal capture and temperature output, 1,200 ft. (366 m) line-of-sight range



## **WS300 Series**

Wireless triaxial sensor with dynamic vibration signal capture and temperature output, 1,200 ft. (366 m) line-of-sight range





### **ACCESS360**

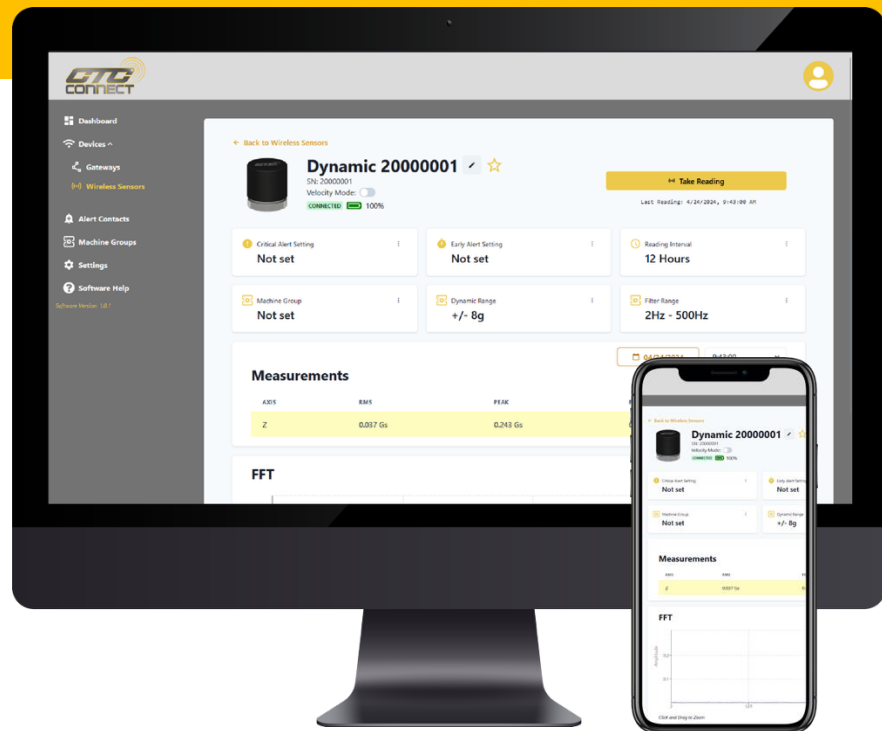
Wireless gateway and network controller with expandable onboard storage, preloaded with ConnectView™ Web App for basic vibration monitoring management tools and device management

# New ConnectBridge™ Wireless Gateway

Supports unlimited sensor inputs –  
mix and match any quantity of  
WS Series sensors  
(please note, more than 20 concurrent  
sensor inputs may lead to decreased  
data acquisition time)



# New ConnectView™ Web App Features



**WebSocket  
Protocol**

**MQTT  
Protocol**

**Modbus  
Protocol**

**Velocity  
Mode**



**VE801**

Top exit CSA North America Class 1, Division 2 and IECEx/ATEX Zone 2 approved sensor, 100 mV/in/sec,  $\pm 10\%$  sensitivity tolerance

**VE802**

Side exit CSA North America Class 1, Division 2 and IECEx/ATEX Zone 2 approved sensor, 100 mV/in/sec,  $\pm 10\%$  sensitivity tolerance

**VE901**

Top exit CSA North America Class 1, Division 1 and IECEx/ATEX Zone 0,1 approved sensor, 100 mV/in/sec,  $\pm 10\%$  sensitivity tolerance

**VE902**

Side exit CSA North America Class 1, Division 1 and IECEx/ATEX Zone 0,1 approved sensor, 100 mV/in/sec,  $\pm 10\%$  sensitivity tolerance

# New Hazardous Rated Piezo Velocity Sensors



# New Negative Voltage Accelerometer

- With cost-effective  $\pm 15\%$  sensitivity tolerance
- Comparable to Bently Nevada 330400



## **AC162-1A**

Top exit, 100 mV/g,  $\pm 15\%$  sensitivity tolerance





**ATEX**

**IECEX**

**CSA  
North America**

# **Hazardous Ratings Updated to Latest Standards**

ATEX, IECEX, and CSA North America certificates have all been updated to ensure compliance with the latest standards and requirements for Intrinsically Safe and Zone 2 / C1, D2 applications



# Added Dust Protections

For all existing IECEx, ATEX, and North  
America Intrinsically Safe and Zone 2 /  
C1, D2 accelerometers

## **Intrinsically Safe**

Ex ib IIIC T135°C...T143°C Db

## **Zone 2 / C1, D2**

Ex tc IIIC T135°C Dc



## **IECEX CSA 240015X**

Ex ec IIC T\* C °Gc

Ex tc IIIC T135 °C Dc

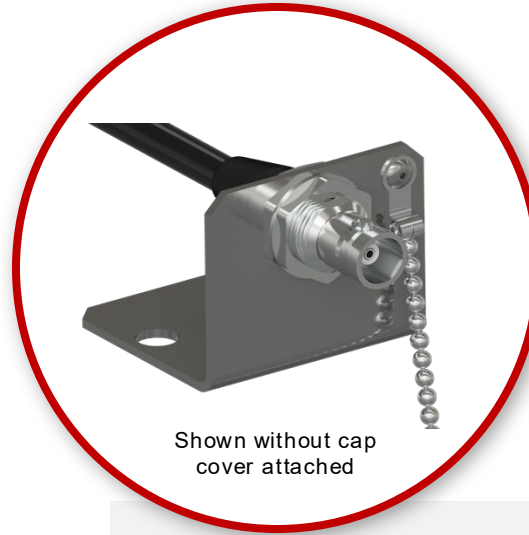
# **New IECEX Zone 2 Certificate**

For all existing IECEX, ATEX, and CSA  
North America Intrinsically Safe  
and Zone 2 / C1, D2 accelerometers



# New EB Connector

Designed for low cost,  
permanent installations



Shown without cap  
cover attached



Shown with cap cover  
attached

## **EB Connector**

BNC "E" style jack flange mount connector  
fastened to bracket for low-cost  
installations; includes cap cover and chain  
for protection when not in use



**MH107-5A**

Quick disconnect receptacle with M6  
adjustable orientation integral stud  
mounting bolt

# New M6 Quick Disconnect

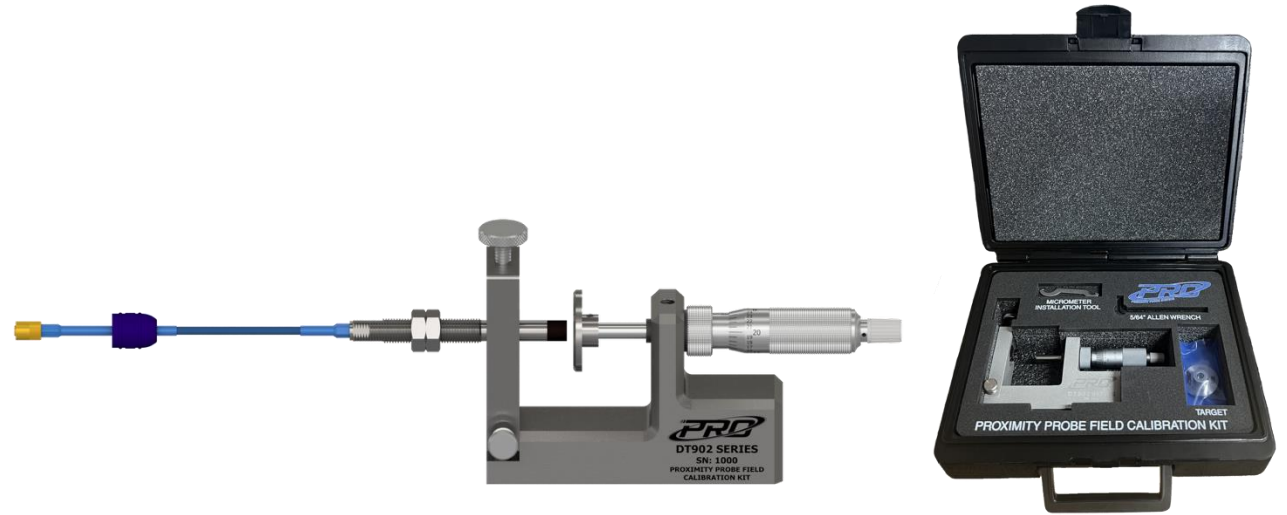
Designed for use with M6 Wireless  
Sensors; not compatible with  
Standard CTC Wired or Wireless  
Triaxial Accelerometers

Popularly used with Sensoteq sensors



# New Low Cost Proximity Probe Field Calibration Kit

Portable calibration kit designed for use with standard probe sizes including FFV, 8 mm, or 11 mm casings



## DT902

Includes your choice of calibration material target;  
comes in a protective carrying case



## Signal Conditioner Configuration Software



Connected to Signal Conditioner

Serial Number: EE3605 Device Type: SC 150 Firmware Version: 1 Serial Port: open App Version: 1.3.7

Disconnect from Device

Forget Device (Disable auto-connect)



Configure

Diagnostics

End User License Agreement

### Part Number

SC150-PE-10-01

### Sensor Type

Unavailable

### Input Source

Unavailable

### Channel 1

#### Full Scale Range

Unavailable

### Output Units

Unavailable

### Measurement Type

Unavailable

### Output Type

0-10V

### High Pass Filter

10Hz

### Low Pass Filter

1kHz

### Output Smoothing

Unavailable

### Input Units

Unavailable

### IEPE Power

Enabled

### Channel 2

#### Full Scale Range

Unavailable

### Output Units

Unavailable

### Measurement Type

Unavailable

### Output Type

Unavailable

### High Pass Filter

Unavailable

### Low Pass Filter

Unavailable

### Output Smoothing

Unavailable


# Improved Signal Conditioner Software




- Updated user-friendly UI
- Convenient auto-prompt to update to the latest firmware version
- New factory reset functionality – allows you to reset your signal conditioner from “bricked” error state

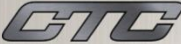



# Improved Vibration Calculator

- Updated user-friendly UI
- Now available as a web-based application – no download required

 Industry's Best Lead Times! 10 Days Standard, Expedites Available

[Join our Team](#)   

 [PRODUCTS](#) [RESOURCES](#) [ABOUT](#) [MY ACCOUNT](#) [RMA](#) [DISTRIBUTION](#)




## Vibration Calculator


The information contained in this calculator is intended for reference only.  
© 2025 Connection Technology Center Inc.

[Frequency & Amplitude](#) [Belt & Web Speeds](#) [Bearing Fault](#) [Gear Mesh](#) [RMS & FFT](#) [Common](#)

### Frequency





Hertz (Hz) 

Hz


Cycles Per Minute (CPM) 

CPM


### Amplitude

	RMS 	Peak 
Acceleration 	<input type="text"/> <div>g</div>	<input type="text"/> <div>g</div>
Velocity 	<input type="text"/> <div>IPS</div>	<input type="text"/> <div>IPS</div>
	<input type="text"/> <div>mm/s</div>	<input type="text"/> <div>mm/s</div>

### Displacement


Displacement mils 

mils


Displacement um 

um


### Peak Signal Voltage

Sensor Sensitivity 


mV/g

Peak Signal Voltage 

V

Voltage Amplitude 

V



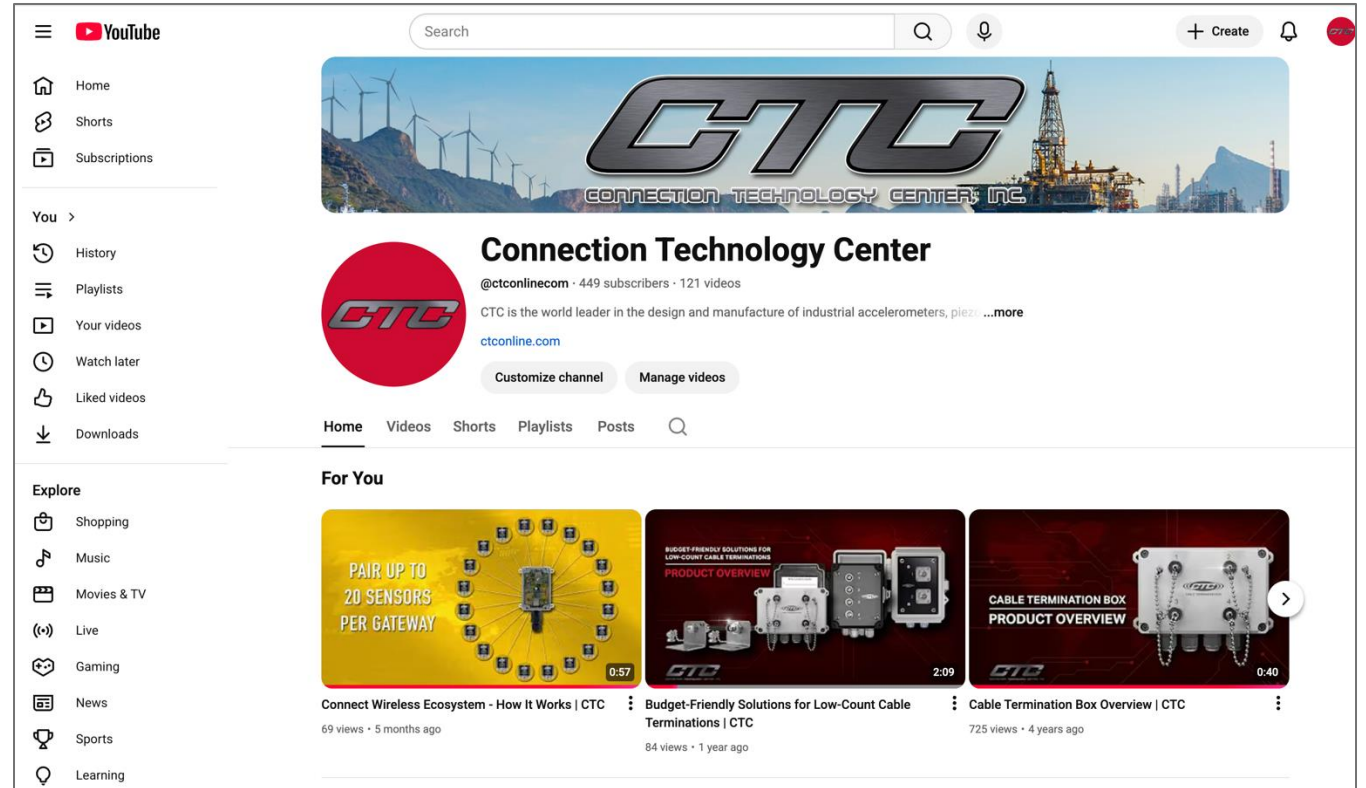


# Other Resources

# New Videos Regularly Posted On Our YouTube Channel

Visit our YouTube Channel  
for the latest video content  
including tech tips, product  
overviews, tutorials, and  
much more

 **YouTube** @ctconlinecom



The screenshot shows the YouTube channel page for Connection Technology Center. The channel banner features the CTC logo and the text "CONNECTION TECHNOLOGY CENTER, INC." over a background of wind turbines and an oil rig. The channel name "Connection Technology Center" is displayed, along with the handle "@ctconlinecom", 449 subscribers, and 121 videos. A description states: "CTC is the world leader in the design and manufacture of industrial accelerometers, piezo...more". Below the channel name are buttons for "Customize channel" and "Manage videos". The "For You" section displays three video thumbnails: "Connect Wireless Ecosystem - How It Works | CTC" (0:57), "Budget-Friendly Solutions for Low-Count Cable Terminations | CTC" (2:09), and "Cable Termination Box Overview | CTC" (0:40). The left sidebar shows navigation options like Home, Shorts, Subscriptions, and a list of video categories under "Explore".



# Connect with CTC

We look forward to hearing from you



[www.ctconline.com](http://www.ctconline.com)



[sales@ctconline.com](mailto:sales@ctconline.com)



(585) 924-5900



Connection Technology Center

