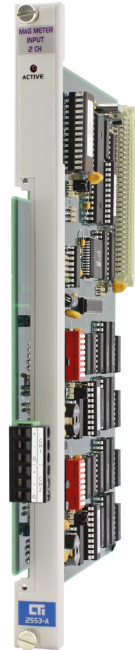


# 2553-A 2-Channel Isolated Mag Meter Input Module



## Specifications

**Channels:** 2 Isolated Mag Meter Inputs  
**Input Voltage Range:** 140 mV to 50 VRMS (differential input into 10 K $\Omega$ )  
 200 mV to 70 V Peak  
**Input Frequency Range:** 78 Hz to 65 KHz  
**Frequency Roll-Off :** 3 dB at 20 KHz  
 6 dB per octave  
**Input Protection:** 50 VRMS continuous  
 20,000 Volts ESD  
**Digital Filtering:** User-selectable (50 mS Time Constant)  
**Update Time:** 7 mSec for all channels  
**Accuracy:**  $\pm 1$  Hz  
**Isolation:** 1500 VDC channel-to-channel  
 1500 VDC channel-to-PLC  
**Connector:** Removable  
**Wire Gauge:** 12 -26AWG  
**Backplane Power:** 2.5 Watts @ +5 VDC  
**Module Size:** Single-wide  
**Shipping Weight:** 1.5 lbs (0.68 Kg)

## Description

The 2553-A 2-Channel Mag Meter Input Module rapidly measures the frequency of a magnetic pulse tachometer with high resolution. It is designed to be compatible with the CTI 2500 Series™ or Simatic® 505 I/O base in local, remote I/O, and Profibus configurations.

Fast update time and high accuracy across the full frequency specification make the 2553-A ideal for gas turbine speed measurement applications.

## Features

- Reflex counter
- N-tooth mode counting
- 1500 VDC isolation channel-to-channel
- 1500 VDC isolation channel-to-backplane
- Reports measurement in frequency or period

## Additional Product Information:

On CTI's Website you will find links to the 2500 Series Std Environmental Specifications and the UL Agency Certificates of Compliance .

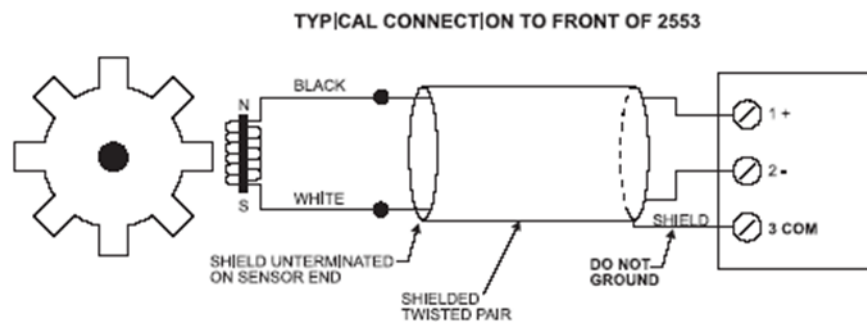
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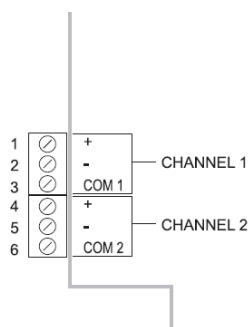
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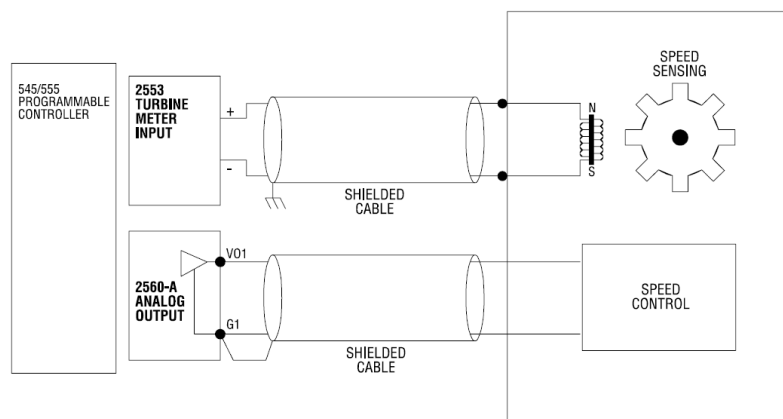
# 2553-A 2-Channel Isolated Mag Meter Input Module



Typical Sensor Wiring Diagram



2553-A Connector Diagram



Closed Loop Control Application

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