

# CANary

## Compact CAN Interface



CANary and CANary FD are pocket sized CAN interfaces for ATI's VISION Calibration and Data Acquisition system. Both use multiple channels to bridge full bandwidth CAN data between ATI's data acquisition hardware, ECUs, or other CAN devices that are compatible with VISION Software. Both interfaces offer native support of ATI's EMX Data Acquisition Series for improved data synchronization.

The **CANary** communicates with the PC using Full-Speed USB (12Mbps) and has two high speed CAN channels. Both CAN channels are electrically isolated from the USB connection and have internal bus termination which can be set or unset by VISION.

The **CANary FD** is designed to handle the increased data available on CAN FD networks while retaining the compact size of the original CANary. The CANary FD communicates with the PC using high-speed USB (480Mbps) and has four CAN FD channels. The channels have independent galvanic isolation and integrated physical switches for bus termination.

### CANary Features

- Provides 2 channels electrically isolated from channel to USB
- Capable of operating all channels at full bus load and maximum bit rate simultaneously

### CANary FD Features

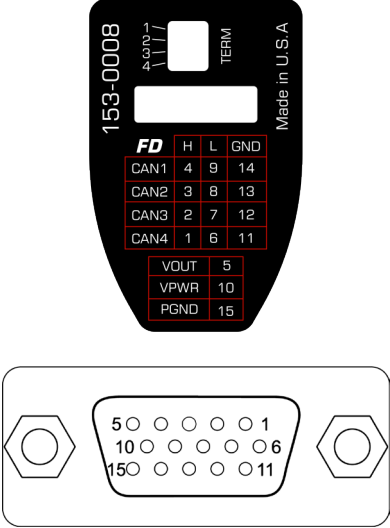
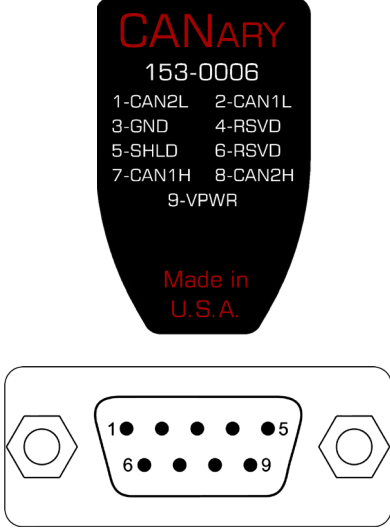
- Provides galvanic isolation from channel to channel as well as channel to USB
- Capable of operating all channels at full bus load and maximum bit rate simultaneously



CANary FD boasts integrated physical switches for bus termination for each channel



Specifications

	CANary FD	CANary
<b>Configuration</b>		
Application Interface	VISION Calibration and Data Acquisition Software	
Compatibility	VISION 5.2+	VISION 4.0+
<b>Indicators</b>		
LEDs	(1) Power status (4) Communication status	(1) Power status (2) Communication status
<b>Operating Conditions</b>		
CAN Modes	CAN FD and CAN 2.0B	CAN 2.0B Only
CAN Channels	4	2
Isolation	4 Independent galvanically isolated channels	USB connection is isolated from the CAN channels
CAN FD Modes	ISO 11898:2015 up to 8Mbps data phase Non-ISO/Bosch 1.0 up to 8Mbps data phase	N/A
Connectors	To PC: 1 USB B Connection (high-speed 480Mbps) To CAN hardware: HDB15F	To PC: 1 USB B Connection (full-speed 12Mbps) To CAN hardware: DB9-M
DC Power	Via USB or VPWR pin on CAN connector (7.0 to 30Vdc)	Via USB
Temperature Range	-40 °C to +85 °C / -40 °F to +185 °F	
Warranty	1 year	
<b>Mechanical</b>		
Construction	IP40 Composite enclosure	
Dimensions	38.7 x 61.8 x 21.9 mm / 1.52 x 2.43 x 0.86 in	38.0 x 64.2 x 20.4 mm / 1.5 x 2.46 x 0.8 in
Weight	31.8 g / 1.12 oz	28.3 g / 1 oz
Pinout		

## CANary Order Information

Part Numbers	Description
153-0006	CANary interface Module
153-0008	CANary FD interface Module

## Accessories

CANary FD		
Part Numbers	Description	
<b>USB/Power</b>		
150-0002	10ft	Cable; Rugged USB A-B; connectors supports -40 °C to 105 °C
<b>I/O Cables / Connectors</b>		
150-0233	10in	4 channel CANary FD to 9-pin breakout cable

CANary		
Part Numbers	Description	
<b>Communications</b>		
153-0100		Adapter; CANary Instrumentation Adapter replaces connections normally provided by VISION Hub
<b>USB/Power</b>		
150-0002	10.1m/10ft	Cable; Rugged USB A-B; connectors supports -40 °C to 105 °C
<b>I/O Cables / Connectors</b>		
150-0196-6IN	10in	Cable; CANary CAN splitter

\*Note: The CANary cannot be used in standalone mode with the Voltage Output Module or Vehicle Information Display (without a PC running VISION).

Email ATI Global Sales at :  
[sales@accuratetechnologies.com](mailto:sales@accuratetechnologies.com)

<b>US</b>	+00 (1) 248 848 9200
<b>China</b>	+86 138 1023 6357
<b>France</b>	+33 (0) 1 72 76 26 10
<b>Germany</b>	+49 (0) 89 9700 7121
<b>India</b>	+91 80 41 69 42 18
<b>Japan</b>	+81 3 53 25 62 22
<b>Sweden</b>	+46 (0) 31 773 7140
<b>UK</b>	+44 (0) 1767 652 340



Information is provided on an "as is" basis and could include technical, typographical or other errors. Accurate Technologies Inc. makes no warranties, representations, or guarantees of any kind, express or implied, including but not limited to, accuracy, or completeness of the information, content, and products.