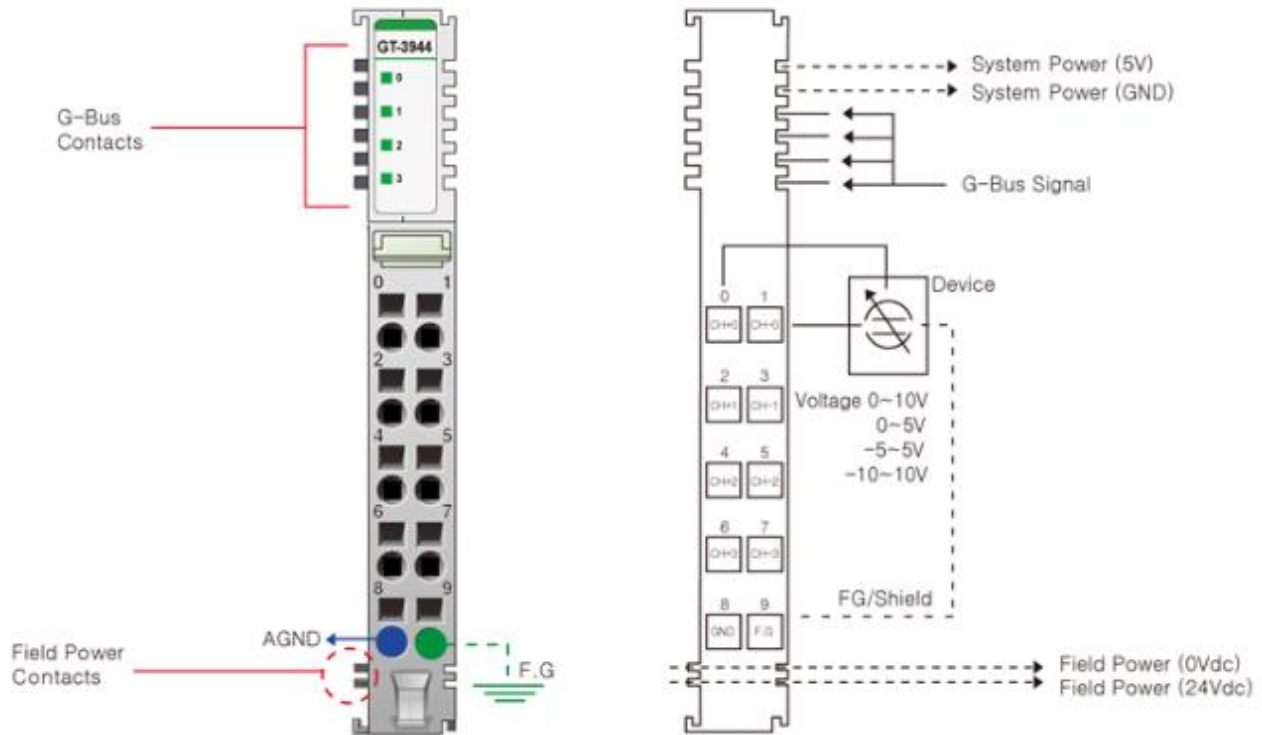


GT-3944

4 Channels, Differential Voltage Input, 0~10V / 0~5V / -10~10V / -5~5V, 16bits



GT-3944 (4 Channels, Differential Voltage Input, 0~10V / 0~5V / -10~10V / -5~5V, 16bits)

Inputs per module:	4 Channels Differential, Non-isolated Between Channels
Indicators:	4 Green Input Status LEDs
Resolution in Ranges:	16bit (Include Sign) 15 bits: 0.31mV/Bit(0~10V) 15 bits: 0.15mV/Bit(0~5V) 15bit (Include Sign) 15 bits: 0.61mV/Bit(-10~10V) 15 bits: 0.31mV/Bit(-5~5V)
Input Range:	0~10Vdc, 0~5Vdc, -10~10Vdc, -5~5Vdc
Data Format:	16bits Integer (2' compliment)
Module Error:	±0.1% Full Scale @ 25°C ±0.3% Full Scale @ -40°C, 70°C
Input Impedance:	667kΩ

Diagnostic: Diagnostic Field Power Off: LED Blinking
 Field Power On: LED Off < 0.5% (Maximum Input Value)
 Field Power On: LED On > 0.5% (Maximum Input Value)

Conversion Time: 1msec / All channel ($\leq 0.25\text{ms}$ per channel)

Field calibration: Not Required

COMMON Type: 1 Common, Field Power 0V is Common (AGND)

General Specification

Power dissipation: Max. 30mA @ 5.0Vdc

Isolation: I/O to Logic: Isolation
 Field power: Non-Isolation

Field Power: Supply Voltage: 24Vdc nominal
 Voltage Range: 18 ~ 32Vdc
 Power Dissipation: Max. 45mA@24Vdc

Wiring: I/O Cable Max. 2.0mm²(AWG 14)

Weight: 58g

Module Size: 12mm x 99mm x 70mm

Pin No.	Signal Description	Signal Description	Pin No.
0	Input Channel 0(+)	Input Channel 0(-)	1
2	Input Channel 1(+)	Input Channel 1(-)	3
4	Input Channel 2(+)	Input Channel 2(-)	5
6	Input Channel 3(+)	Input Channel 3(-)	7
8	Input Channel Common(AGND)	Field Ground	9