



Communication Protocols

RS-232	Modbus RTU	Default
+		
RS-485	Modbus RTU	Option 1
ETHERNET		
ETHERNET	Modbus TCP or 	Option 2
ANALOG	0~5V, 0~10V, -5~5V, -10~10V, 4~20mA, 0~20mA, 0~24mA	Option 3

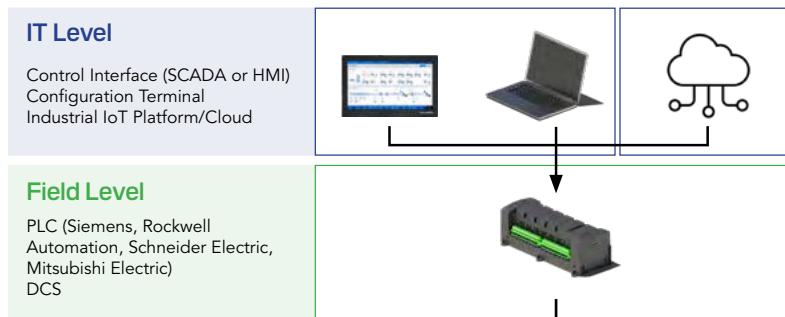
Specifications	AN310
Excitation Voltage	5 VDC, up to 8 x 350Ω
Power Supply & Consumption	18 - 36 VDC, 5 W
Non-Linearity	0.01% FS
A/D Sample Rate	Up To 5000 Hz
IP Rating	IP40
Enclosure Material	ABS
Operating Temperature	-4°F~140°F / -20°C~60°C
Humidity	85% (Non-Condensing)
Analog Signal Input Range	0 - 39 mV (-19.5 - 19.5mV)
Unit Of Measurement	g, kg, ton, lb, N, kN, kg*m, N*m, lb*in, lb*ft
Analogue Output (Optional)	0 - 10 VDC; 0 - 5 VDC; -5 - 5 VDC; -10 - 10 VDC; 4 - 20 mA
Display Type	3.46" color IPS LCD with touch screen
Resolution	Internal: 16,000,000 counts Display: 999,999
Communication Protocols	RS-232 (Default); RS-485 (Modbus-RTU); Ethernet (TCP / IP & Modbus-TCP)

Features

- Ultra-high-speed 5 kHz ADC** enables fast, accurate weight capture, ideal for dynamic weighing scenarios.
- Simultaneous multi-output support** allows seamless integration with multiple systems and protocols.
- 4 digital inputs (photocoupler) and 4 digital outputs (PhotoMOS relay)** provide flexible external control and system interaction.
- 10-point calibration** capability provides precise linearity across the full measuring range.
- Password-protected calibration**
- Dual calibration modes** support both real-load and digital methods for flexible installation and maintenance.
- Stores up to 3 calibration backups** with easy restore and automatic/manual save options

Applications & Integration

- Industrial Weighing Systems
- Process Control and Automation
- Robotics and Motion Feedback Systems
- Batching, Filling, and Packaging Lines
- Machine Monitoring and Diagnostics via PLC Integration



ANYLOAD®

Device Level

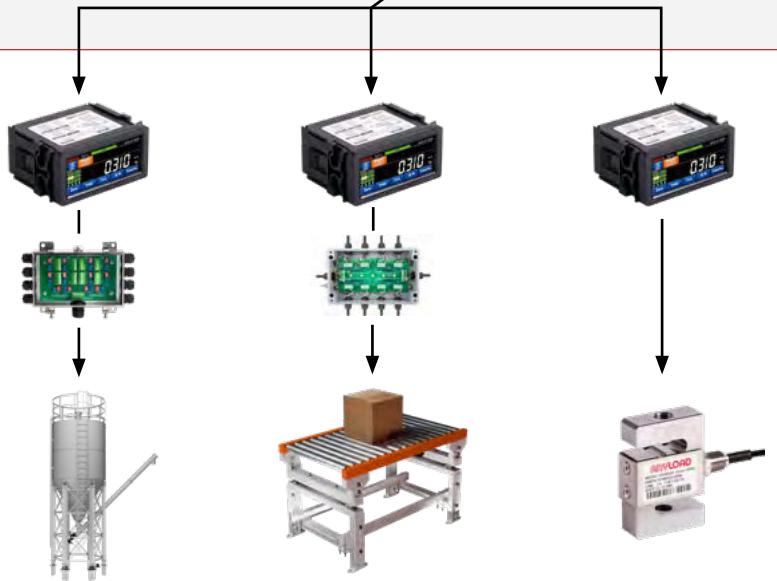
AN310 Indicator
Junction Box (up to 8 channel)

Application

Tank Weighing
Conveyor Scale
Tension/Compression

Product

102DSM3 Mounting Kits
563YH Single Ended Beams
101NSGS S-Beam



Panel Mount (AN310 Indicator)



DIN Mount (ACT1 Transmitter)

For projects
requiring DIN
rail mounting
please see
Anyload's **ACT1**
Transmitter.

