



## Communication Protocols

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

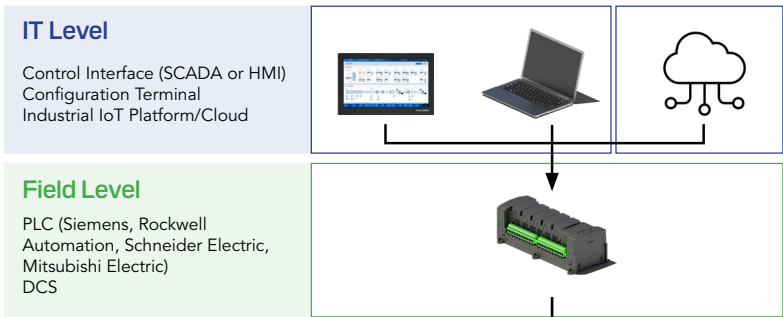
Specifications	AN310
Excitation Voltage	5 VDC, up to 8 x 350Ω
Power Supply & Consumption	18 - 36 VDC, 5 W
Non-Linearity	0.01% FS
A/D Sample Rate	Up To 5000 Hz
IP Rating	IP40
Enclosure Material	ABS
Operating Temperature	-4°F~140°F / -20°C~60°C
Humidity	85% (Non-Condensing)
Analog Signal Input Range	0 - 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

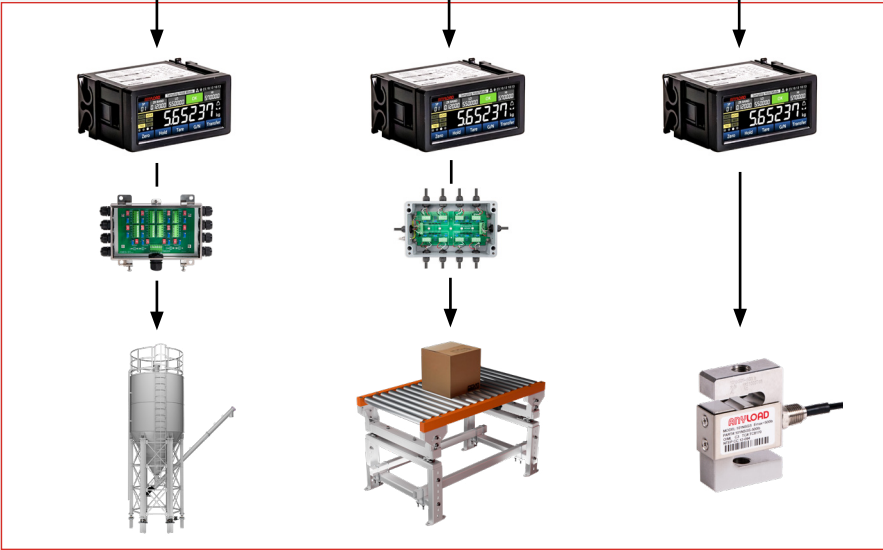
- Industrial Weighing Systems
- Process Control and Automation
- Robotics and Motion Feedback Systems
- Batching, Filling, and Packaging Lines
- Machine Monitoring and Diagnostics via PLC Integration



## Device Level

AN310 Indicator  
Junction Box (up to 8 channel)

Application	Product
Tank Weighing	102DSM3 Mounting Kits
Conveyor Scale	563YH Single Ended Beams
Tension/Compression	101NSGS S-Beam



## Panel Mount (AN310 Indicator)



## DIN Mount (ACT1 Transmitter)

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

