



SPECIFICATIONS

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 - 19.5 mV)
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: 99,999,999
Communication Port	RS-232 (default); RS-485(Modbus-RTU) Ethernet (TCP / IP & Modbus-TCP)

PART NUMBER

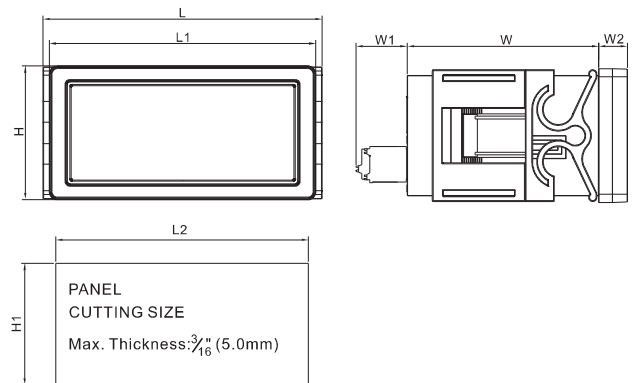
Part No.	Default Port	Additional Port	Shipping Weight Approx.(lb)
AN310-NA.....	RS-232.....	Analog.....	0.35
AN310-485.....	RS-232.....	RS-485.....	0.35
AN310-ETH.....	RS-232.....	Ethernet.....	0.35

Features:

- Brilliant 3.46" color IPS touch display delivers vivid visuals and responsive control for industrial environments
- Ultra-high-speed 5 kHz ADC enables fast, accurate weight capture, ideal for dynamic weighing scenarios
- Internal resolution of 16 million counts ensures exceptional precision and stability in measurement
- Simultaneous multi-output support allows seamless integration with multiple systems and protocols
- Digital communication options include RS-232, RS-485 (Modbus RTU), Ethernet/IP, and Ethernet Modbus TCP
- Analog output is also available for voltage or current-based integration
- 4 digital inputs (photocoupler) and 4 digital outputs (PhotoMOS relay) provide flexible external control and system interaction
- Password-protected calibration access safeguards sensitive setup parameters and ensures compliance
- 10-point calibration capability provides precise linearity across the full measuring range
- Dual calibration modes support both real-load and digital methods for flexible installation and maintenance
- Intuitive navigation menu reduces setup time and enhances usability with a modern, ergonomic interface

Applications:

- Industrial weighing systems
- Process control and automation
- Force measurement and material testing
- Robotics and motion feedback systems
- Batching, filling, and packaging lines
- Machine monitoring and diagnostics via PLC integration



DIMENSIONS

W	2.76in (70.0mm)	L1	3.84in(97.5mm)
W1	0.74in (18.8mm)	L2	3.64in(92.5mm)
W2	0.41in (10.5mm)	H	1.93in(49.0mm)
L	4.02in(102.2mm)	H1	1.75in(44.5mm)