



ALV 1

Digital Weighing indicator



ALV 1 sets totally new definition of being a powerful legal for trade indicator.

Features like 10000e OIML approved, extremely low signal per verification scale interval, dual weighing range plus other approved functions make **ALV 1** the perfect answer for almost all legal for trade applications.

Equipped with a 24 bit Low-Noise Δ - Σ Analog-to-Digital Converter, 6-wire load cell remote sense compensation, drive up to 4 x 350 Ω or 8 x 700 Ω , runs at 1.6 million internal counts and plus all the state-of-the-art technologies applied, these enable **ALV 1** to provide fast, stable and error-free weighing result anytime when needed.

APPROVED FUNCTIONS

- Weighing
 - Checkweighing Function
 - Piece Count Mode with Check Function
 - Percentage Mode with Check Function
 - Animal Weighing with Check Function
 - User Programmable Check Functions Buzzer Output
 - Memory Accumulation
 - Pre-set Tare
 - Independent and User Programmable Print Format for Weighing, Piece Count, Percentage Mode
 - Independent and User Programmable Data Format for Checkweighing, Piece Checking, Percentage Checking
 - Built-in Inflow and Outflow Control Logic
 - Built-in Near Zero Logic for Dynamic Weighing Applications
- User Selectable Parameters: -
 - ◆ 5 x Auto Power Off Time
 - ◆ 4 x Filter Intensity Mode
 - ◆ 3 x Backlight Mode
 - ◆ 2 x Selectable Auto Tare Function
 - ◆ 4 x RS232 Data Output Baud Rate
 - ◆ 3 x Output Mode
 - ◆ 3 x Data Format
 - ◆ 3 x M+ Mode
 - ◆ 3 x Data Output Mode
 - ◆ 4 x Data Transmission Time Interval
 - ◆ 8 x Number of Print Copy
 - ◆ 6 x Output Band Rate
 - ◆ 6 x Initial Zero Range
 - ◆ 6 x Manual Zero Range
 - ◆ 6 x Auto Zero Tracking Range



Versatility, Functionality and Accuracy are always Built-in

ALV 1 Digital Weighing Indicator

APPROVED FEATURES

- 24 bit Low-Noise Delta to Sigma to Delta ($\Delta-\Sigma$) Analog-to-Digital Converter
- Support Single or Dual Weighing Range Mode
- Free Capacity and Division Setting
- Weight Unit Selection (kg / g)
- True 6-wire (with Remote Sense) Load Cell Compensation System
- Power up to 4 x 350 Ω Load Cells or 8 x 700 Ω Load Cells
- Supports 4-wire and 6-wire Load Cell Connections
- Real Time Clock
- Linearity Compensation
- Independent Zero Calibration
- Auto or User Programmable Odd Weight Calibration
- Calibration and Metrological Control / Access by Hardware or Software
- Non-Resettable Trailer Count to Record Calibration and Metrology Parameters Changes
- Gravity Compensation via Key Board
- 6 x 1-inch Wide Angle LCD Numeric Digits
- Capacity Tracking Bar to Show Applied & Remaining Weighing Capacity
- Battery Protection Features and Circuits
- RS232 Communication Interface
- Bi-directional Communication with PC
- Backlight, Rechargeable Battery, Power Adaptor and Pillar (\varnothing 35~38mm) Mount Holder Included

SPECIFICATIONS

Maximum Capacity	Free Setting
Weighing Range Mode	Single and Dual
Maximum Verification Scale Intervals	<ul style="list-style-type: none"> ● Approved = 10,000 ● High = 100,000
Minimum Signal Voltage per Verification Scale Interval	<ul style="list-style-type: none"> ● 0.75 μV (Approved) ● 0.15uV (Non Approved)
Load Cell Excitation Voltage	5V DC
Maximum Load Cell Connection	<ul style="list-style-type: none"> ● Approved = 4 x 350Ω or 8 x 700Ω Load Cells ● Non- Approved = 12 x 350Ω or 24 x 700Ω Load Cells
Load Cell Connection	Supports both 4-wire and 6-wire Load Cell System
Maximum Cable Length from Junction Box or Load Cells	No limit
Weight Units	kg / g
Internal Resolution	1,600,000 Counts Plus
Tare Range	- Max (Subtractive Tare)
Power Voltage Requirements	Built-in Rechargeable Battery = 6V DC External Power Adaptor = 9 ~ 12V DC, 500mA+
Operation Environment	-10 ~ 40°C. Non-condensed. R.H. \leq 85%
<i>Specifications subject to change prior to notice</i>	

OPTIONS

- Stainless Steel Wall/Desk Mount Holder
- SP-POS58EZ Thermal Printer
- RD-DOT Dot Matrix Remote Display
- Relay Output and Wireless Communication Port (Non-Approved)
- WM Wireless Communication Module (Non-Approved)
- RELAY-4 Four Channel Relay Module (Non-Approved)



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