



LD 5208 Weighing Indicator



The LD5208 is our proposal for simple and accurate weighing. The indicator features large crystal liquid display, compact ergonomic enclosure for table top or wall mount use, and battery operation to allow the use in portable scales or remote locations.

User friendly, simple and fast in operation, fully configurable and easily adapted to your needs, this indicator is a cost-effective and reliable solution for a variety of weighing applications.

APPLICATIONS

Legal for trade applications

- All types of bench and floor scales,
- Weighbridges
- Silo – weight indication and data collection
- Computer based weighing systems

EU-TYPE APPROVAL DK0199.27

CE

BASIC FEATURES

- Approved for 10,000divisions
- Up to 28 measurements per second
- Excitation for up to 10 strain gauge load cells, 1100Ω each or 4 strain gauge load cells, 350Ω (minimum input impedance 350Ω)
- Large, 6 digit LCD (20mm) display with backlight.
- 6 keys membrane keyboard with tactile feedback
- Single or dual interval
- Analogue and digital filtering
- Standard RS232 for PC or printer connection
- ABS plastic table top enclosure
- Mains adapter powered and by internal rechargeable battery
- Auto power off

OPERATING KEYS

- On / off
- Zero scale
- Tare key (sets/resets indicator to net mode)
- Tare recall (displays tare in use)
- Print key (initiates printouts and adds to total)
- Total key (displays totals and number of weighings)

STANDARD SUPPLY includes:

- User manual
- 230 Vac Mains adapter / charger

LD 5208 Weighing Indicator

APPROVALS	EU-Type approval for 10,000 divisions (approval Nr.: DK 0199.27) & OIML R76
ACCURACY CLASS	III
DISPLAY – KEYBOARD	
DISPLAY	6 digit, 7 segment, LCD 24 mm
STATUS ANNUNCIATORS	No motion, zero, tare in use, net, in, low, high
KEYBOARD	6 key membrane keyboard with tactile feedback
DECIMAL POINT SETTING	Between any digit of the weight display
DISPLAY STEP	1, 2, 5, 10, 20, 50, 100, 200 (set-up selectable)
DISPLAY DIGITS	4, 5 (set-up selectable)
A/D CONVERTER	
TYPE	Sigma-Delta ratiometric with analogue and digital filtering (FIR & post filtering, rolling average)
CONVERSION RATE	3 up to 28 measurements per second (set-up selectable)
SENSITIVITY	0.4 μ V/VSI for approved scales, 0.1 μ V/VSI for non-approved scales
ANALOGUE SIGNAL RANGE	-0.25 to 1.75mV/V (-1.25mV to - 8.75mV) or -0.25 to 3.5mV/V (-1.25mV to - 17.5mV)
RESOLUTION	Internal 550,000 counts, display : 99,000 dd (selectable, in accordance with regulations)
LINEARITY & STABILITY	
LINEARITY	Within 0.002 % of full scale
LONG TERM STABILITY	0.005 % of full scale per year
TEMPERATURE COEF.	Deadload \leq 2ppm / °C, Span \leq 2ppm / °C
SCALE CALIBRATION AND FUNCTIONS	
CALIBRATION	Digital calibration (dead load and span) and scale parametrization via keyboard dialogue menu . The weight display can be set to any capacity and resolution with 5 digits (subject to application and regulations). Electronic calibration can be also performed via the m V/V output values of load cells.
WEIGHING FUNCTIONS	Automatic zero tracking, no-motion detection, auto-zero on power-up, zero, tare (max tare effect = -Max), multiple test functions
FULL SCALE RANGE	The two most significant decades of the digital display are programmable from 1 up to 99 for the full scale range. Single or dual interval, auto-switching between the different display steps.
MEMORIES	Serial EEPROM for the storage of calibration data
LOAD CELL CONNECTION	
NUMBER OF LOAD CELLS	Up to 10 strain gauge load cells, 1100 Ω each (or 4 load cells 350 Ω each)
EXCITATION	+5V alternating polarity or +5VDC (set-up selectable), with sense
CONNECTION TECHNIQUE	6-wire technique
INTERFACES	
SERIAL COM. PORT 1	RS232C, setup selectable, 2400-9600 baud, 7-8 data bits, no or even parity Data output selectable (continuous weight output, printer output, print on demand)
POWER SUPPLY	
	Mains adapter 230VAC 50/60Hz Internal Pb 6V/3,5AH
ENVIRONMENTAL CONDITIONS / CONSTRUCTION	
EMC	According to OIML R76 and EN 45501 requirements
OPERATING TEMPERATURE	-10°C to +40°C
STORAGE TEMPERATURE	-10°C to +70°C
HUMIDITY	40% to 90% RH (non condensing)
ENCLOSURE	Plastic, sealed to IP40. Dimensions (in mm): 2600(L)x 170(H)x 110(W)

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Weighing Solutions out of this World



We reserve the right to modify above specifications without prior notice

RETAIL SCALES, INDUSTRIAL WEIGHING, WEIGHING ELECTRONICS, SOFTWARE, PROCESS AUTOMATION AND SYSTEMS, BULK HANDLING AND BAGGING, ENGINEERING PROJECTS