Eilersen
The Weighing Experts

5024G / 5026G Parameter List

5024G / 5026G LCD weighing terminal

Parameter List

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Introduction

This document lists the different parameters that are found in the 5024G / 5026G Weighing Terminal from Eilersen Electric. With the software version stated on the front page the listed parameters can be accessed.

NOTE: Some parameters are only accessible if the appropriate option is activated/enabled.

Parameter list

With the software **StdLim.140630.8v3** installed, the 5024G / 5026G terminal contains the following parameters:

SCREEN	PARAMETER	DESCRIPTION
DOSING	Coarse	Coarse limit used during dosing.
	Fine	Fine limit used during dosing.
LC DIAGNOSTICS	-	Reset load cell diagnostics data from menu.
ETHERNET STATUS	-	Possible display of status for enabled Ethernet protocol.
SETUP (SERVICE MODE)	DATE	Internal clock – date.
	TIME	Internal clock – time.
	EVENTCOUNTER	Used/Incremented to indicate critical parameter was changed.
SETUP SYSTEM	Parameters	Password entry to unlock/lock parameter change.
	High Res. mode	Used to configure how high resolution mode behaves.
	Keyboard unlock length	Used to enable/disable and configure keyboard lock protection feature.
INTELLIGENT SETUP	-	Automatic configuration of all basic weighing specific parameters.
SETUP WEIGHING	Mode	Selects if values shown are for **NORMAL**, **CALIBRATION** or **PROTOCOL** weighing range.
	Unit	Weighing range: Unit for the selected range.
	DP	Weighing range: Decimal Point (digits after decimal point) for the selected range.
	Resolution	Weighing range: Resolution for the selected range.
	Minimum	Weighing range: Minimum value for the selected range. Shows **UL** below this value.
	Maximum	Weighing range: Maximum value for the selected range. Shows **OL** above this value.
LOAD CELLS (Load cell parameters)	Protocol type	Load cell communication type. Can be automatically detected from menu.
	No.	Number of loadcells in weighing system. Can be automatically detected from menu.
	Supports	Number of supporting points (with and without load cells) in weighing system.
COARSETARE	Load cell coarsetare values	Coarsetare values for each load cell. Inserted when coarsetare is performed from menu.
ZEROING	ZT range	Zero tracking range.
CALIBRATION	FACTOR	Calibration factor. Entered or updated during calibration procedure from menu.
	LOAD	Calibration load used during calibration performed from menu.
	GRAVITY	Specific gravity for the current location (default value is 9.8155 m/s^2 for Denmark).
CORNER CALIBRATION	Corner calibration factors	Calibration factors for each corner. Entered or updated during corner calibration procedure.
LINEARIZATION (rarely needed/used)	Load x 11	Load point indications (11 points) used for linearization.
	UP-Cor x 11	Corrections used going UP (11 points) used for linearization.
	DOWN-Cor x 11	Corrections used going DOWN (11 points) used for linearization.
LINEARIZATION SETTINGS (rarely needed/used)	Points used	Number of points (2-10) used in linearization (not counting point 0).
	Load in last point	Load in last point used for generating evenly distributed load points.
	Hyst. limit	Hysteresis limit used during linearization to determine direction of weight indication.
DISPLAY	Interval	Measurement time in ms. Time between each update of weight reading.
	Sample Filter	Sample filter used to filter each sampling from the load cells.
	Display Filter	Display filter used to filter the display/weight reading.
	Steady Limit	Steady limit used to determine when weight reading is steady.
	Steady Filter	Steady filter used to filter the weight reading used for steady detection.
SUPERVISION	Unbalanced Detection	Enable/Disable detection of unbalanced weighing system (load cell signals differ too much).
	Unbalanced Threshold	Unbalanced not indicated if gross weight is below threshold (% of total sum of LC capacities).
	LC Difference	Difference in % (maximum signal vs minimum signal) where unbalance is indicated.
	LIMP Mode	Enable/Disable LIMP Mode. To be used when one or more (but not all) load cells are missing.
DOSING PAR.	Reg. period	Registration period used to perform an automatic registration of result after a dosing.
	Afterflow status	Afterflow status used to enable/disable afterflow correction. Can be OFF, ON or AUTO.
	Afterflow	Actual afterflow correction used during dosing if afterflow correction is enabled.
ETHERNET	MAC	MAC address of terminal. Set to unique value from factory.
	IP	IP address of terminal.
	Subnet	Subnet mask of terminal.
ETHERNET PROTOCOLS	TCP to PC	Enable simple Ethernet protocol. If enabled port number and transmission type can be set.
	EthernetIP (optional)	Enable Ethernet IP protocol. Data are monitored in EthernetIP DATA screen.
	ModbusTCP (optional)	Enable ModbusTCP protocol. Data are monitored in ModbusTCP DATA screen.

SETUP PRINTER (optional)	IP	IP address of the connected Ethernet printer.
	Port	Port number of the connected Ethernet printer.
	Type	Type of the connected Ethernet printer.
	Print	Indicates if **All** (registrations and totals) or only **Totals** are printed on the Ethernet printer.
RS485 COMMUNICATION (optional)	BAUDRATE	Baudrate used on RS485 channel.
	SETTING	Serial settings used on RS485 channel.
	ADDRESS (optional)	Address (0-31) used in serial Modbus communication.
	MODE (optional)	Mode (RTU or ASCII) used in serial Modbus communication.
	FORMAT (optional)	Data format (INTEGER or FLOAT) used in serial Modbus communication.
RS485 PROTOCOLS (optional)	Basic	Enable basic RS485 protocol. If enabled transmission type can be set.
	Serial Modbus (optional)	Enable serial RS485 Modbus protocol.
RS485 STATUS (optional)	-	Possible display of status for enabled RS485 protocol.
EXTERNAL MODULE (optional)	DEVICE TYPE	Module type connected. Data are monitored in external module DATA screen.
	ADDRESS	RS485 communication address (0-15) of module connected.
	ENDIAN	Endian (LSB first or MSB first) of data transferred.
	BYTES OUT	Number of OUT bytes transferred (to PLC).
	BYTES IN	Number of IN bytes transferred (from PLC).
REMOTE DISPLAY (optional)	DEVICE TYPE	Remote display type connected. Data are monitored in remote display DATA screen.
	ADDRESS	RS485 communication address (0-15) of remote display connected.
	ENDIAN	Endian (LSB first or MSB first) of data transferred.
	BYTES OUT	Number of OUT bytes transferred (to remote display).
	BYTES IN	Number of IN bytes transferred (from remote display).
	Remote display keys	Enable/Disable special function keys on remote display.
ANALOG OUTPUT (optional)	Output	Selects if the analog output is configured as 4-20mA or 0-10V output.
	Value	Selects if the analog output follows the Gross or Net weight.
	Full scale	Weight value resulting in full analog signal (20mA or 10V).
	Error value	Analog value send to the output if an error is detected.
	Test mode	Enable/disable test mode. If test mode is enabled the test value is send to the output.
	Testv.	Value send to the output if test mode is enabled.
ANALOG ADJUST (optional)	Gain	Used to calibrate/trim analog output. Set by factory and should NOT be changed.
	Offset	Used to calibrate/trim analog output. Set by factory and should NOT be changed.
	Test mode	Enable/disable test mode. If test mode is enabled the test value is send to the output.
	Testv.	Value send to the output if test mode is enabled.
MAINTENANCE	LOGO	Logo shown in display during power on sequence. Set from menu.
	CONTRAST	Display contrast. Set from menu.
	DIS.POL.	Display polarity (black text on white backgr. or white text on black backgr.). Set from menu.

Revision History

Date	Author	Rev.	*Update*
2023-09-12	HJA	6v6	*Initial document created.*
2024-09-02	HJA	6v7	*Modified LINEARIZATION screen.* *Added LINEARIZATION SETTINGS screen.*
2025-02-26	HJA	6v8	*Updated references to software ID.*
2025-09-29	HJA	6v9	*Updated references to software ID.*
2025-10-22	HJA	7v0	*Added SUPERVISION screen.*
2026-01-20	HJA	7v1	*Updated references to software ID.*
2026-01-30	HJA	7v2	*Added specific gravity parameter.*
2026-03-25	HJA	8v0	*Program can now run on both 5024G and 5026G terminal.*
2026-04-15	HJA	8v1	*Updated references to software ID.*
2026-04-29	HJA	8v2	*Updated references to software ID.*
2026-11-02	HJA	8v3	*Updated references to software ID.* *Coordinated Vulnerability Disclosure Policy added*

Contact

Security

Coordinated Vulnerability Disclosure Policy

Eilersen Electric A/S takes the security of our products seriously. We welcome reports from users who identify potential vulnerabilities in our products with digital elements, and we are committed to working with the reporting party to understand and resolve issues quickly.

Reporting a Vulnerability

If you believe you have found a security vulnerability in an Eilersen product, please report it to:

security@eilersen.com

Further information

https://eilersen.com/about-us/security

Information

With further questions or improvement suggestions please contact us:

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