

ET-125-RS422

Falcon Operator Interface

STAHL ET-125-RS422 is an ET-Falcon operator interface for hazardous-area operating and monitoring tasks. The ET-125 platform provides a monochrome graphic display, keypad functions, serial communication and intrinsic-safety system integration for Zones 1, 2, 21 and 22.

IDENTITY	VERIFIED VALUE
Manufacturer	STAHL
Complete model	ET-125-RS422
Product role	Falcon Operator Interface
System family	ET-Falcon-B

MANUFACTURER SOURCE RECORDS

- 1. R. STAHL HMI Systems ET-Falcon-B Operating Instructions, version 02.05.02
- 2. R. STAHL ET-125-B RS-422 technical, commissioning and hazardous-area requirements

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Product Overview

System function

STAHL ET-125-RS422 is an ET-Falcon operator interface for hazardous-area operating and monitoring tasks. The ET-125 platform provides a monochrome graphic display, keypad functions, serial communication and intrinsic-safety system integration for Zones 1, 2, 21 and 22.

Hazardous-area operation

Provides operator monitoring and control functions in the documented zones.

Graphic operator display

Shows configured process images, messages and alarms on the monochrome display.

RS-422 fieldbus connection

Connects through the documented 9185/11 fieldbus isolator arrangement.

Programmable keypad

Combines function, soft, cursor and alphanumeric keys for configured operator actions.

Technical note

Confirm the complete ET-125-RS422 type code, device supplement, power supply, RS-422 fieldbus isolator, Ex certificate, terminal assignment, seal and hazardous-area installation before commissioning.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE	PARAMETER	VERIFIED VALUE
Product identity	ET-125-RS422	System LEDs	STOP, COM, ONLINE, ALARM and INFO
Device platform	Falcon	Power input	10.8 V DC nominal; 8 to 12.5 V DC via 9143/10
Function	Operator interface	Binary inputs	8 floating contacts, 3.3 V and 2 mA each
Display	Monochrome graphic LCD	Communication	RS-422 bus-compatible connection to 9185/11
Resolution	240 by 128 pixels	Processor	Winbond W77IC32P
Backlight	LED; approximately 50,000 h at 25 C	Protocol drivers	3 loadable
Function keys	16	Operating system	SPSPlusWIN
Soft keys	8	Front protection	IP65 when correctly installed
Alphanumeric and system keys	23	Operating temperature	-20 to 70 degrees C; +60 degrees C for T4 condition

Engineering boundary

Confirm the complete ET-125-RS422 type code, device supplement, power supply, RS-422 fieldbus isolator, Ex certificate, terminal assignment, seal and hazardous-area installation before commissioning.

Applications and Engineering FAQ

APPLICATION	ENGINEERING CONTEXT
Hazardous process HMI	Provides local monitoring and operator input in an approved Zone installation.
Tank-farm operation	Supports the documented simple automation and access-control tasks.
Serial controller interface	Exchanges process data with a supported automation system through RS-422.
Installed-base HMI renewal	Restores a Falcon terminal from the controlled SPSPlusWIN and protocol records.

Model-Specific FAQ - Part 1

QUESTION	ANSWER
What is STAHL ET-125-RS422?	ET-125-RS422 is a Falcon-platform operator interface with RS-422 communication for hazardous-area applications.
Which zones support STAHL ET-125-RS422?	The Falcon operating instructions cover use in Zones 1, 2, 21 and 22 under the documented conditions.

Related Products

MODEL	APTER POWER PAGE
Allen-Bradley 1756-DHRIO	View Allen-Bradley 1756-DHRIO
Siemens 6GK1543-1AA01	View Siemens 6GK1543-1AA01
Siemens CTI 2572	View Siemens CTI 2572
GE IC670PBI001	View GE IC670PBI001

FAQ, Related Products and Sources

QUESTION	ANSWER
What display does STAHL ET-125-RS422 use?	It uses a monochrome graphic LCD with 240 by 128 pixel resolution.
How does STAHL ET-125-RS422 communicate?	It uses the documented bus-compatible RS-422 connection through a 9185/11 fieldbus isolator.
Which supply arrangement supports STAHL ET-125-RS422?	The operating instructions specify 10.8 V DC nominal through the 9143/10 power supply.
How many function and soft keys support STAHL ET-125-RS422?	The ET-125 configuration lists 16 function keys and eight soft keys.
Which software supports STAHL ET-125-RS422?	The Falcon platform uses SPSPPlusWIN for configuration and operation.
What confirms STAHL ET-125-RS422 commissioning?	Verify power, Ex installation, seal, display, keypad, LEDs, RS-422 communication, binary inputs and configured alarms.

MODEL	APTER POWER PAGE
Siemens 6SE7090-0XX84-0FF5	View Siemens 6SE 7090-0XX84-0FF5
ProSoft 5201-DFNT-EGD	View ProSoft 5201-DFNT-EGD
ProSoft PLX31-EIP-MBS	View ProSoft PLX31-EIP-MBS
Bently Nevada 3500/92-04-01-01	View Bently Nevada 3500/92-04-01-01

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