

## JUMO safetyM STB/STW - Safety temperature limiter and safety temperature monitor according to DIN EN 14597 (701150)

- Safety monitor and safety limiter for temperature, pressure, and other process variables
- Configurable universal input
- 1oo2D architecture (two-channel structure with diagnostics channel)
- Approvals according to DIN EN 14597, SIL 3, PL e
- Security-related limit value relay (230 V, 3 A)
- Pre-alarm absolute or adjustable as a margin from the limit value
- Default actual value output
- Compact solution



### Order details

<b>(1) Type</b>	
701150	Safety temperature limiter / monitor (2x universal inputs, 2x relays (changeover contact), 1x binary input, 1x analog output)
<b>(2) Configuration</b>	
8	Default setting (JUMO default configuration)
9	Customer setting
<b>(3) Language</b>	
01	German
02	English
03	French
<b>(4) Basic type extension</b>	
0251	Safety temperature monitor (O-function)
0252	Safety temperature monitor (N.O.-function)
0253	Safety temperature limiter (O-function)
0254	Safety temperature limiter (N.O.-funct.)
<b>(5) Measuring input</b>	
1003	1x Pt100 in 2-wire circuit
1053	1x 4..20mA
2001	2x Pt100 in 3-wire circuit
2003	2x Pt100 in 2-wire circuit
2005	2x Pt1000 in 2-wire circuit
2006	2x Pt1000 in 3-wire circuit
2036	2x W5Re-W26Re "C"
2037	2x W3Re-W25Re "D"
2039	2x Cu-CuNi "T"
2040	2x Fe-CuNi "J"
2041	2x Cu-CuNi "U"
2042	2x Fe-CuNi "L"
2043	2x NiCr-Ni "K"
2044	2x Pt10Rh-Pt "S"
2045	2x Pt13Rh-Pt "R"
2046	2x Pt30Rh-Pt6Rh "B"
2048	2x NiCrSi-NiSi "N"
2053	2x 4..20mA
<b>(6) Voltage supply</b>	
23	AC 110 to 240 V +10/-15 %, 48 to 63 Hz
25	AC/DC 20..30V, 48..63Hz
<b>(7) Output</b>	
001	0..20 mA analog (not safety-related)
005	4..20 mA analog (not safety-related)
040	0..10 V analog (not safety-related)
070	2..10 V analog (not safety-related)
<b>(8) DNV GL approved</b>	
000	Without approval
062	With DNV GL approval
<b>(9) Extra codes</b>	
000	Without extra code

919	AMS2750
058	With SIL- and PL-approval

**Order code**

(1) (2) (3) (4) (5) (6) (7) (8) (9)  
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**Important information:**
**Extra code 919 (AMS2750)**

The number and type of measuring inputs and the required measuring points (calibration points) must be specified for the calibration certificate.

The measurement input must be selected in the order code according to the sensor. (Note: 701150 requires for this no „9“)

For thermocouples, the calibration points must be within the specified AMS measuring range (see data sheet).


**Stock versions**

Order code	Part no.
701150/8-01-0253-2001-23/005	00548736
701150/8-01-0253-2001-25/005	00548737
701150/8-01-0253-2001-23/005,058	00564984
701150/8-01-0253-2001-25/005,058	00564208
701150/8-01-0253-2043-25/005,058	00573924
701150/8-02-0253-2001-23/005,058	00568035

**Accessories**

Description	Part no.
USB cable, A-connector to Mini-B connect length 3 m	00506252
external reset push button	97097865

**Software**

Description	Part no.
Setup JUMO STB/STW 701150/55	00548742