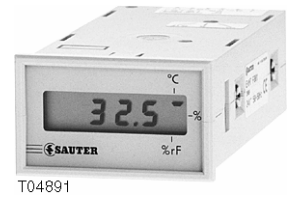


EXMT, EXMU: Digital indicator unit

For direct indication in physical units of the actual value or the position of the drive/valve, for various types of transmitter or sensor.

Housing of light-grey thermoplastic; for panel fitting; change-over amplifier; front plate 60 × 36 mm with liquid crystal display; electrical connection via screwed terminals for cable of up to 1.5 mm².



T04891



Y03229

Type	Features	Voltage	Weight [kg]
EXMT F001	fixed ranges	24 V~	0.13
EXMU F001	multiple ranges	24 V~	0.13

EXMT:		EXMU:	
Input signal	Display	Input signal	Display
Ni1000, Ni200 6.2 mV/°C (R _i = 1MΩ)	-60...180 °C	Pot. 200	10...100%
0...1 V, (R _i = 500 kΩ) 0...10 V, (R _i = 500 kΩ) Pot. 130 (max. 2 kΩ) as a voltage divider	0...100% 100...0%	0...1 V, (R _i = 500 kΩ) 0...10 V, (R _i = 500 kΩ) Pot. 130 (max. 2 kΩ) as a voltage divider	-20...50 °C, -20...40 °C 0...40 °C, 0...50 °C, 0...100 °C 0...100%, 100...0% 0...100 %rh 0...100 kJ/kg, 0..20 g/kg ¹⁾ 0...400, 0...1000
0...10 V (humidity)	0...100 %rh	Pot. 200 (HBG 5), x _i	0...100 %rh
6,2 mV/% (EXPR 3.)	0...100% 100...0%	6.2 mV/% (EXPR 30)	0...100% 100...0%

Supply voltage 24 V~	± 20%, 50...60 Hz	Wiring diagram	A04812
Power consumption	2 VA	Dimension drawing	M368530
Permissible ambient temp.	0...40 °C	Fitting instructions	
Degree of protection at front	IP 00 (EN 60529) IP 52	EXMT	MV 505367
		EXMU	MV 505366

1) The range 0...20 g/kg or -10...35° C_{TP} is also possible for EGH 10/20.

Operation

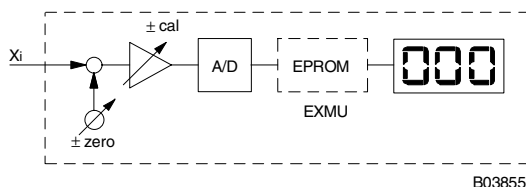
The input signal x_i is amplified and then fed to an analog-digital converter which creates from it the binary code for the 3-figure LC display. The reading can be corrected exactly (starting and end values) by using the zero-point adjuster ('zero') and the amplification adjuster ('cal').

For potentiometric transmitters as the voltage divider, there is an output with 1 V reference voltage.

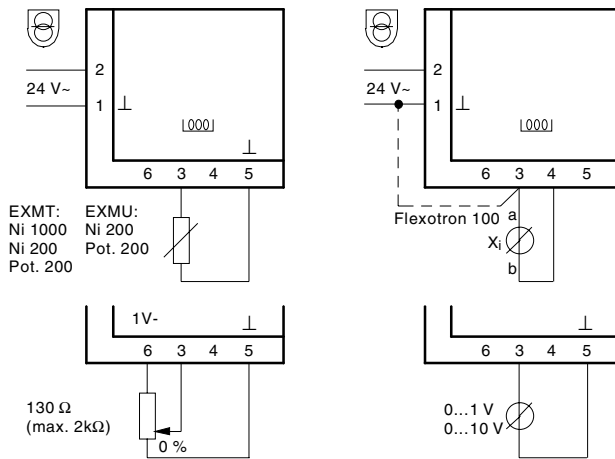
The EXMT has a rotary switch for displaying either °C or %rh. On the EXMU, the measuring ranges are set by means of a four-way DIP switch.

Additional technical data

Complies with:- EMC directive 89/336/EEC	EN 61000-6-1/ EN 61000-6-3 EN 61000-6-4
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Wiring diagram



Flexotron 100	a	b
ERA 10, 60, ERB 20	14	8
ERA 20	14	7
ERA 30 Sensor 1	14	8
ERA 30 Sensor 2	14	10
ERA 40 Sensor 1	14	11
ERA 40 Sensor 2	14	12
EXR 56	6	12
Flexotron 2000	a	b
ERAS 100, 200, 600	z16	z14
ERAS 300 Sensor 1	z16	z14
ERAS 300 Sensor 2	z16	z18
ERAS 400 Sensor 1	z16	z14
ERAS 400 Sensor 2	z16	z18
ERAS 620	z16	z18
EXPR 39, 0...620mV	4	1
Limiter card	a	b
ERAS 100, 200, 300, 600	z12	b12
ERAS 620	z20	b20

A04812

Dimension drawing

