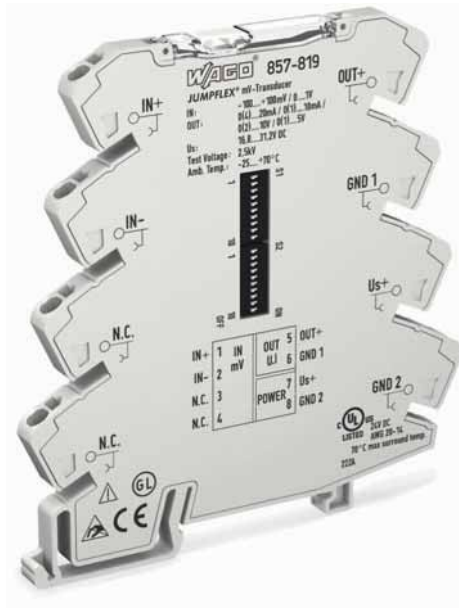
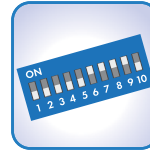


JUMPFLEX® Transducers

Millivolt transducer; Records all mV signals ranging from -100 mV to +100 mV; 0 mV ... 1000 mV. Application: Recording of lambda probes



Configuration via:



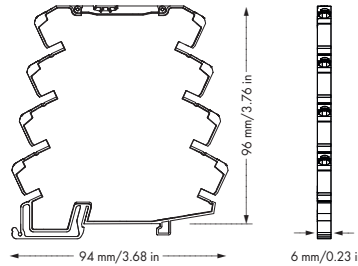
DIP Switches



PC Configuration Software



Smartphone App



IN+	1	IN	5	OUT+
IN-	2	mV	6	GND 1
N.C.	3		7	Us+
N.C.	4		8	GND 2

Short description:

The 857-819 Millivolt Transducer converts input millivolt signals into an analog standard signal on the output side.

Characteristics:

- PC configuration interface
- Calibrated scale switching
- Clipping capability allows analog standard signal limitation to upper range values
- Safe 3-way isolation with 2.5 kV test voltage to EN 61140

Description	Item No.	Pack. Unit
JUMPFLEX® transducers, for DIN 35 rail	857-819	1
Millivolt transducer, with millivolt input as well as current and voltage output		
Technical Data		
Environmental requirements:		
Ambient operating temperature	-25 °C ... +70 °C	
Storage temperature	-40 °C ... +85 °C	
Safety and protection:		
Test voltage (input/output/supply)	2.5 kV AC, 50 Hz, 1 min	
Connection and type of mounting:		
Wire connection	CAGE CLAMP® S	
Cross sections	solid: 0.08 mm² ... 2.5 mm² / AWG 28 ... 14 fine-stranded: 0.34 mm² ... 2.5 mm² / AWG 22 ... 14	
Strip lengths	9 ... 10 mm / 0.37 in	
Dimensions and weight:		
Dimensions (mm) W x H x L	6 x 96 x 94	
	Height from upper-edge of DIN 35 rail	
Weight	50 g	
Standards and approvals:		
Conformity marking	CE	
UL 508		
ANSI/ISA 12.12.01	(pending)	
Shipbuilding	Ⓢ	
Accessories	see pages 268 ... 271	
(* Additional setting options via PC configuration software or smartphone app)		

Technical Data	
Configuration:	
Configuration	DIP switches, PC configuration software, smartphone app
Input:	
Input signal	-100 mV ... +100 mV, 0 mV ... 200 mV, 0 mV ... 1000 mV * (in 100 mV increments)
Input resistance	> 1MΩ
Max. input signal	31.2V
Output:	
Output signal	0 ... 10 mA, 2 ... 10 mA, 0 ... 20 mA, 4 ... 20 mA, 0 ... 5 V, 1 ... 5 V, 0 ... 10 V, 2 ... 10 V *
Load impedance	≤ 600 Ω (I output) ≥ 2 kΩ (U output)
Step response	50ms
General specifications:	
Voltage supply V _s	24 V DC
Supply voltage range	16.8 V ... 31.2 V
Current consumption at 24 V DC	≤ 40 mA
Min. measuring span	10 mV (configurable)
Transmission error	≤ 0.1 % of upper range value
Temperature coefficient	≤ 0.01 %/K

