Calibrator Section

Calibration Function	Simulation Range	Resolution: 30,000 Digits (4¾ places)		Intrinsic Uncertainty	Overload
Direct Voltage Source			Minimum Load Resistance	±(% S + mV)	I_{max}
V	0…±60mV	1 µV	1 kΩ	0.1 + 0.01	18 mA
	0…±300mV	0.01 mV		0.05 + 0.02	
	0 … 3 V	0.1 mV		0.05 + 0.2	
	0 …10 V	1 mV		0.05 + 2	
	0 …15 V	1 mV		0.05 + 2	
Pulse / Frequency Generator Duty cycle (pulse-no-pulse ratio): 50%, amplitude: 10 mV… 15 V			Minimum Load Resistance	±(% S + Hz)	I_{max}
Hz	1 Hz ...2 kHz	0.1 …1 Hz	1 kΩ	0.05 + 0.2	18 mA
Current Source			Max. load	±(% S + µA)	
mA	4 … 20 mA	1 µA	17 V	0.05 + 2	
	0 … 20 mA				
	0 … 24 mA				
Current Sink				±(% S + µA)	U_{max}
mA	4 … 20 mA	1 µA	V_{in} = 4 ... 27 V	0.05 + 2	27 V
	0 … 20 mA				
	0 … 24 mA				
Resistance Simulation			Sensor Current [mA]	±(% S + Ω)	I_{max}
ς	5…2000 Ω	0.1 Ω	0.05...0.1..4...5	0.05 + 0.2	5 mA