

Description	Register address	Register type	Datatype	Writable	Length(re)	Scaling	
Channel mode, CH1	1	holding	uint16	R/W	1		
Present value, CH1	2	holding	float32	R/W	2	Depends from mode	
Channel mode, CH2	5	holding	uint16	R/W	1		
Present value, CH2	6	holding	float32	R/W	2	Depends from mode	
Channel mode, CH3	9	holding	uint16	R/W	1		
Present value, CH3	10	holding	float32	R/W	2	Depends from mode	
Channel mode, CH4	13	holding	uint16	R/W	1		
Present value, CH4	14	holding	float32	R/W	2	Depends from mode	
Channel mode, CH5	17	holding	uint16	R/W	1		
Present value, CH5	18	holding	float32	R/W	2	Depends from mode	
Channel mode, CH6	21	holding	uint16	R/W	1		
Present value, CH6	22	holding	float32	R/W	2	Depends from mode	
Channel mode, CH7	25	holding	uint16	R/W	1		
Present value, CH7	26	holding	float32	R/W	2	Depends from mode	
Channel mode, CH8	29	holding	uint16	R/W	1		
Present value, CH8	30	holding	float32	R/W	2	Depends from mode	
Channel mode, CH9	33	holding	uint16	R/W	1		
Present value, CH9	34	holding	float32	R/W	2	Depends from mode	
Channel mode, CH10	37	holding	uint16	R/W	1		
Present value, CH10	38	holding	float32	R/W	2	Depends from mode	
Channel mode, CH11	41	holding	uint16	R/W	1		
Present value, CH11	42	holding	float32	R/W	2	Depends from mode	
Channel mode, CH12	45	holding	uint16	R/W	1		
Present value, CH12	46	holding	float32	R/W	2	Depends from mode	
Channel mode, CH13	49	holding	uint16	R/W	1		
Present value, CH13	50	holding	float32	R/W	2	Depends from mode	
Channel mode, CH14	53	holding	uint16	R/W	1		
Present value, CH14	54	holding	float32	R/W	2	Depends from mode	
Channel mode, CH15	57	holding	uint16	R/W	1		
Present value, CH15	58	holding	float32	R/W	2	Depends from mode	
Channel mode, CH16	61	holding	uint16	R/W	1		
Present value, CH16	62	holding	float32	R/W	2	Depends from mode	
Channel modes: 0 = Not initialized 1 = Ground 4 = AI resistance 5 = AI Voltage 7 = AI High current 8 = AO voltage 10 = DI 11 = DI with external voltage 12 = Pulse counter 13 = DO (sink/open collector) 14 = PWM Sensor modes: 20 = pt1000 sensor 21 = ni1000 sensor 22 = ni1000 LG sensor 23 = NTC10k sensor						Scaling / Units for present value: Resistance: 1 Ohms Temperature: 1 °C AI (0-10V) 1 V AO (0-10V) 1 V AI High current 1 mA AI Low current 1 mA	
Channel values							
Channel 1	Reserved	256	holding	uint32	RO	2	0,1 ohm
	Reserved	258	holding	uint16	RO	1	1 mV
	Reserved	259	holding	uint32	RO	2	1 µA
	Reserved	261	holding	uint16	R/W	1	1 mV
	Reserved	262	holding	uint16	R/W	1	
	Pulse counter	263	holding	uint32	RO	2	Number of pulses
	DI value (0 or 1)	265	holding	uint16	RO	1	0 = Off, 1 = On
	DO value	266	holding	uint16	R/W	1	0 = Off, 1 = On
Channel 2	AI resistance (RTD)	267	holding	uint32	RO	2	0,1 ohm
	AI voltage signal (0 .. 10 V)	269	holding	uint16	RO	1	1 mV
	AI current (0 .. 65 ... 1000 mA)	270	holding	uint32	RO	2	1 µA
	AO voltage (0 .. 10 V)	272	holding	uint16	R/W	1	1 mV
	Reserved	273	holding	uint16	RO	1	
	Pulse counter	274	holding	uint32	RO	2	Number of pulses
	DI value (0 or 1)	276	holding	uint16	RO	1	0 = Off, 1 = On
	DO value	277	holding	uint16	R/W	1	0 = Off, 1 = On
Channel 3	Reserved	278	holding	uint32	RO	2	0,1 ohm
	Reserved	280	holding	uint16	RO	1	1 mV
	Reserved	281	holding	uint32	RO	2	1 µA
	Reserved	283	holding	uint16	R/W	1	1 mV
	Reserved	284	holding	uint16	RO	1	
	Pulse counter	285	holding	uint32	RO	2	Number of pulses
	DI value (0 or 1)	287	holding	uint16	RO	1	0 = Off, 1 = On
	DO value	288	holding	uint16	R/W	1	0 = Off, 1 = On
Channel 4	AI resistance (RTD)	289	holding	uint32	RO	2	0,1 ohm
	AI voltage signal (0 .. 10 V)	291	holding	uint16	RO	1	1 mV
	AI current (0 .. 65 ... 1000 mA)	292	holding	uint32	RO	2	1 µA
	AO voltage (0 .. 10 V)	294	holding	uint16	R/W	1	1 mV
	Reserved	295	holding	uint16	RO	1	
	Pulse counter	296	holding	uint32	RO	2	Number of pulses
	DI value (0 or 1)	298	holding	uint16	RO	1	0 = Off, 1 = On
	DO value	299	holding	uint16	R/W	1	0 = Off, 1 = On
Channel 5	Reserved	300	holding	uint32	RO	2	0,1 ohm
	Reserved	302	holding	uint16	RO	1	1 mV
	Reserved	303	holding	uint32	RO	2	1 µA
	Reserved	305	holding	uint16	R/W	1	1 mV
	Reserved	306	holding	uint16	RO	1	
	Pulse counter	307	holding	uint32	RO	2	Number of pulses
	DI value (0 or 1)	309	holding	uint16	RO	1	0 = Off, 1 = On
	DO value	310	holding	uint16	R/W	1	0 = Off, 1 = On
Channel 6	AI resistance (RTD)	311	holding	uint32	RO	2	0,1 ohm
	AI voltage signal (0 .. 10 V)	313	holding	uint16	RO	1	1 mV
	AI current (0 .. 65 ... 1000 mA)	314	holding	uint32	RO	2	1 µA
	AO voltage (0 .. 10 V)	316	holding	uint16	R/W	1	1 mV
	Reserved	317	holding	uint16	RO	1	
	Pulse counter	318	holding	uint32	RO	2	Number of pulses
	DI value (0 or 1)	320	holding	uint16	RO	1	0 = Off, 1 = On

	DO value	321	holding	uint16	R/W	1	0 = Off, 1 = On
Channel 7	Reserved	322	holding	uint32	RO	2	0,1 ohm
	Reserved	324	holding	uint16	RO	1	1 mV
	Reserved	325	holding	uint32	RO	2	1 µA
	Reserved	327	holding	uint16	R/W	1	1 mV
	Reserved	328	holding	uint16			
	Pulse counter	329	holding	uint32	RO	2	Number of pulses
	DI value (0 or 1)	331	holding	uint16	RO	1	0 = Off, 1 = On
	DO value	332	holding	uint16	R/W	1	0 = Off, 1 = On
Channel 8	AI resistance (RTD)	333	holding	uint32	RO	2	0,1 ohm
	AI voltage signal (0 .. 10 V)	335	holding	uint16	RO	1	1 mV
	AI current (0 .. 65 ... 1000 mA)	336	holding	uint32	RO	2	1 µA
	AO voltage (0 .. 10 V)	338	holding	uint16	R/W	1	1 mV
	Reserved	339	holding	int16	RO		
	Pulse counter	340	holding	uint32	RO	2	Number of pulses
	DI value (0 or 1)	342	holding	uint16	RO	1	0 = Off, 1 = On
	DO value	343	holding	uint16	R/W	1	0 = Off, 1 = On
Channel 9	Reserved	344	holding	uint32	RO	2	0,1 ohm
	Reserved	346	holding	uint16	RO	1	1 mV
	Reserved	347	holding	uint32	RO	2	1 µA
	Reserved	349	holding	uint16	R/W	1	1 mV
	Reserved	350	holding	uint16			
	Pulse counter	351	holding	uint32	RO	2	Number of pulses
	DI value (0 or 1)	353	holding	uint16	RO	1	0 = Off, 1 = On
	DO value	354	holding	uint16	R/W	1	0 = Off, 1 = On
Channel 10	AI resistance (RTD)	355	holding	uint32	RO	2	0,1 ohm
	AI voltage signal (0 .. 10 V)	357	holding	uint16	RO	1	1 mV
	AI current (0 .. 65 ... 1000 mA)	358	holding	uint32	RO	2	1 µA
	AO voltage (0 .. 10 V)	360	holding	uint16	R/W	1	1 mV
	Reserved	361	holding	int16	RO		0,1 units
	Pulse counter	362	holding	uint32	RO	2	Number of pulses
	DI value (0 or 1)	364	holding	uint16	RO	1	0 = Off, 1 = On
	DO value	365	holding	uint16	R/W	1	0 = Off, 1 = On
Channel 11	Reserved	366	holding	uint32	RO	2	0,1 ohm
	Reserved	368	holding	uint16	RO	1	1 mV
	Reserved	369	holding	uint32	RO	2	1 µA
	Reserved	371	holding	uint16	R/W	1	1 mV
	Reserved	372	holding	uint16			
	Pulse counter	373	holding	uint32	RO	2	Number of pulses
	DI value (0 or 1)	375	holding	uint16	RO	1	0 = Off, 1 = On
	DO value	376	holding	uint16	R/W	1	0 = Off, 1 = On
Channel 12	AI resistance (RTD)	377	holding	uint32	RO	2	0,1 ohm
	AI voltage signal (0 .. 10 V)	379	holding	uint16	RO	1	1 mV
	AI current (0 .. 65 ... 1000 mA)	380	holding	uint32	RO	2	1 µA
	AO voltage (0 .. 10 V)	382	holding	uint16	R/W	1	1 mV
	Reserved	383	holding	int16	RO		
	Pulse counter	384	holding	uint32	RO	2	Number of pulses
	DI value (0 or 1)	386	holding	uint16	RO	1	0 = Off, 1 = On
	DO value	387	holding	uint16	R/W	1	0 = Off, 1 = On
Channel 13	Reserved	388	holding	uint32	RO	2	0,1 ohm
	Reserved	390	holding	uint16	RO	1	1 mV
	Reserved	391	holding	uint32	RO	2	1 µA
	Reserved	393	holding	uint16	R/W	1	1 mV
	Reserved	394	holding	uint16			
	Pulse counter	395	holding	uint32	RO	2	Number of pulses
	DI value (0 or 1)	397	holding	uint16	RO	1	0 = Off, 1 = On
	DO value	398	holding	uint16	R/W	1	0 = Off, 1 = On
Channel 14	AI resistance (RTD)	399	holding	uint32	RO	2	0,1 ohm
	AI voltage signal (0 .. 10 V)	401	holding	uint16	RO	1	1 mV
	AI current (0 .. 65 ... 1000 mA)	402	holding	uint32	RO	2	1 µA
	AO voltage (0 .. 10 V)	404	holding	uint16	R/W	1	1 mV
	Reserved	405	holding	int16	RO		
	Pulse counter	406	holding	uint32	RO	2	Number of pulses
	DI value (0 or 1)	408	holding	uint16	RO	1	0 = Off, 1 = On
	DO value	409	holding	uint16	R/W	1	0 = Off, 1 = On
Channel 15	Reserved	410	holding	uint32	RO	2	0,1 ohm
	Reserved	412	holding	uint16	RO	1	1 mV
	Reserved	413	holding	uint32	RO	2	1 µA
	Reserved	415	holding	uint16	R/W	1	1 mV
	Reserved	416	holding	uint16			
	Pulse counter	417	holding	uint32	RO	2	Number of pulses
	DI value (0 or 1)	419	holding	uint16	RO	1	0 = Off, 1 = On
	DO value	420	holding	uint16	R/W	1	0 = Off, 1 = On
Channel 16	AI resistance (RTD)	421	holding	uint32	RO	2	0,1 ohm
	AI voltage signal (0 .. 10 V)	423	holding	uint16	RO	1	1 mV
	AI current (0 .. 65 ... 1000 mA)	424	holding	uint32	RO	2	1 µA
	AO voltage (0 .. 10 V)	426	holding	uint16	R/W	1	1 mV
	Reserved	427	holding	int16	RO		
	Pulse counter	428	holding	uint32	RO	2	Number of pulses
	DI value (0 or 1)	430	holding	uint16	RO	1	0 = Off, 1 = On
	DO value	431	holding	uint16	R/W	1	0 = Off, 1 = On
Info	Software build version	3005	holding	uint16	RO	1	

Description	Register address	Register type	Datatype	Writable	Length(regs)	Scaling
Quick access to channel values (read and write)						
Channel 1	432	holding	int16	R/W	1	See below
Channel 2	433	holding	int16	R/W	1	
Channel 3	434	holding	int16	R/W	1	
Channel 4	435	holding	int16	R/W	1	
Channel 5	436	holding	int16	R/W	1	
Channel 6	437	holding	int16	R/W	1	
Channel 7	438	holding	int16	R/W	1	
Channel 8	439	holding	int16	R/W	1	
Channel 9	440	holding	int16	R/W	1	
Channel 10	441	holding	int16	R/W	1	
Channel 11	442	holding	int16	R/W	1	
Channel 12	443	holding	int16	R/W	1	
Channel 13	444	holding	int16	R/W	1	
Channel 14	445	holding	int16	R/W	1	
Channel 15	446	holding	int16	R/W	1	
Channel 16	447	holding	int16	R/W	1	
Units and scaling in quick access registers (int16)	Scaling and unit					
Resistance	1 Ohms					
Temperature	0,1 °C					
AI, 0..10 Voltage	1 mV					
AO, 0..10 Voltage	0,1 % (10 mV)					
AI current	0,1 mA					
Binary	0 or 1					