



# Wisco AI300 Protocol





# Analog Input Module

## AI300

สนับสนุนฟังก์ชันพื้นฐานของ Modbus ทั้งหมด 5 ฟังก์ชัน มีรายละเอียดดังนี้

Code	Address	Table Name	Action	Description
01	0xxxx	Read Output Status	Read	Read Digital Output
02	1xxxx	Read Input Status	Read	Read Digital Input
04	3xxxx	Read Input Registers	Read	Read Analog Input
05	0xxxx	Force Single Coil	Write	Write Single Digital Output
15	0xxxx	Force Multiple Coil	Write	Write Multiple Digital Output

### Modbus Register Address Table

Function Code 01: Read Output Status

Register (DEC)	Name	Quantity	Data Type	Description
00001	DO CH 1	1	Bit	Read Digital Output
00002	DO CH 2	1	Bit	
00003	DO CH 3	1	Bit	
00004	DO CH 4	1	Bit	
00005	DO CH 5	1	Bit	
00006	DO CH 6	1	Bit	
00007	DO CH 7	1	Bit	
00008	DO CH 8	1	Bit	

Function Code 02: Read Input Status

Register (DEC)	Name	Quantity	Data Type	Description
10001	DI CH 1	1	Bit	Read Digital Input
10002	DI CH 2	1	Bit	
10003	DI CH 3	1	Bit	
10004	DI CH 4	1	Bit	
10005	DI CH 5	1	Bit	
10006	DI CH 6	1	Bit	
10007	DI CH 7	1	Bit	
10008	DI CH 8	1	Bit	

Function Code 04: Read Input Register

Register (DEC)	Name	Quantity	Data Type	Description
30001	AI CH 1	2	FLOAT	Analog Input Value Show in Float Value
30003	AI CH 2	2	FLOAT	
30005	AI CH 3	2	FLOAT	
30007	AI CH 4	2	FLOAT	
30009	AI CH 5	2	FLOAT	
30011	AI CH 6	2	FLOAT	
30013	AI CH 7	2	FLOAT	
30015	AI CH 8	2	FLOAT	
30017	AI CH 9	2	FLOAT	
30019	CNT CH 1	2	FLOAT	Scaled Value of Counter
30021	CNT CH 2	2	FLOAT	
30023	CNT CH 3	2	FLOAT	
30025	CNT CH 4	2	FLOAT	
30027	CNT CH 5	2	FLOAT	
30029	CNT CH 6	2	FLOAT	
30031	CNT CH 7	2	FLOAT	
30033	CNT CH 8	2	FLOAT	
30035	DI 1 - DI 8	1	UINT16	Digital Input Value (LSB = DI 1)
30036	DO 1 - DO 8	1	UINT16	Digital Output Value (LSB = DO 1)
30037	Counter CH 1	2	INT32	Raw Value of Counter
30039	Counter CH 2	2	INT32	
30041	Counter CH 3	2	INT32	
30043	Counter CH 4	2	INT32	
30045	Counter CH 5	2	INT32	
30047	Counter CH 6	2	INT32	
30049	Counter CH 7	2	INT32	
30051	Counter CH 8	2	INT32	
30053	Ambient Temp. CH 1	2	FLOAT	Ambient Temperature at Analog Input Connector
30055	Ambient Temp. CH 2	2	FLOAT	
30057	Ambient Temp. CH 3	2	FLOAT	
30059	Ambient Temp. CH 4	2	FLOAT	
30061	Ambient Temp. CH 5	2	FLOAT	
30063	Ambient Temp. CH 6	2	FLOAT	
30065	Ambient Temp. CH 7	2	FLOAT	
30067	Ambient Temp. CH 8	2	FLOAT	
30069	Ambient Temp. CH 9	2	FLOAT	

30071	AI CH 1	1	INT16	Analog Input Value Show in Integer Value
30072	AI CH 2	1	INT16	
30073	AI CH 3	1	INT16	
30074	AI CH 4	1	INT16	
30075	AI CH 5	1	INT16	
30076	AI CH 6	1	INT16	
30077	AI CH 7	1	INT16	
30078	AI CH 8	1	INT16	
30079	AI CH 9	1	INT16	

รายละเอียดที่เหลือของ Modbus สามารถดูได้จาก 'Modbus Reference Guide' หรือที่ <http://www.modbus.org/specs.php>

**Edit: 07/08/2024**