

AM082D Digital weighing transmitter instruction manual

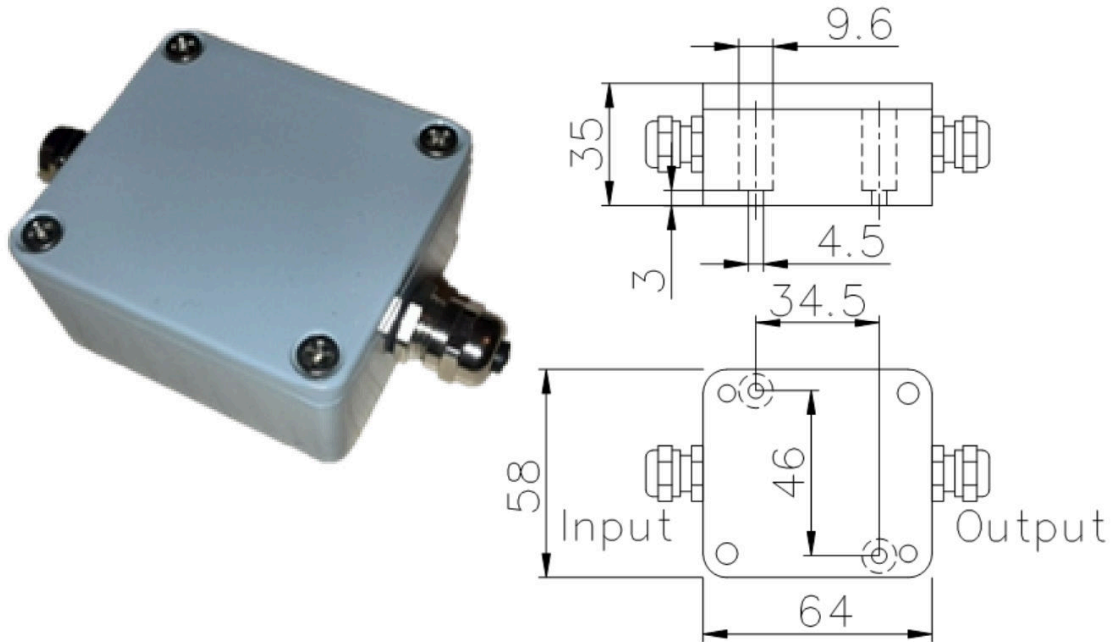
Product Features:

- ◆ Multi-point nonlinear calibration.
- ◆ Multi-range, multi-indexing, multi-sampling frequency.
- ◆ Standard ModBUS-RTU communication.
- ◆ Wide power supply (7~25VDC) .

Performance:

Comprehensive accuracy	%	0.01
Verification interval	e	10000
Measurement sensitivity	μV/e	≥0.5
Minimum sensitivity		0.02
Measuring signal range	mV/V	±2.0
Maximum signal input range		±5.0
Bridge power supply	VDC	3.3±1%
Measurement resolution of rated input signal		1:1000000
Range	segment	2
Linear calibration	segment	5
Measurement rate	times/sec	200、100、50、10
Communication protocol		ModBUS-RTU
Communication interface		RS485
Working power supply voltage	VDC	7~25
Range of working temperature	°C	-30...+65

Dimensions:



Wiring:

J1:

Mark	+Exc	+Sig	Shield	-Sig	-Exc
Name	Sensor Exc+	Sensor signal+	Sensor Shield	Sensor signal-	Sensor Exc-

J2:

Mark	+12V	GND	Shield	485A	485B
Name	Power Input +	Power Input -	Sensor Shield	RS485 Signal A	RS485 Signal B

Communication:

This transmitter adopts the standard Modbus-RTU communication format, and the baud rate is 9600bps/8bit/no parity bit.

ModBus RTU Support 03H, 10H function				
Address	Parameter Description	Defaults	Data Type	Action attribute
40001/40002	Display weight (ignoring decimal point)		Integer	Read

40003	.0	0=Stable; 1=Motion		Bit	Read
	.1	0=non-zero position; 1=zero position		Bit	
	.2	0=Gross ; 1=Net		Bit	
	.3	0=No over capacity; 1=over capacity		Bit	
	.4	0=no under capacity; 1=Under capacity		Bit	
	.5	0=In the low range; 1=In the high range (single range is usually 1)		Bit	
	.6	0=Normal display weight; 1=Division value is reduced by 10 times the display weight		Bit	
	.7	0=in weighing working mode; 1=in menu setting mode		Bit	
	.8	0 = wake up and work normally; 1 = sleep mode		Bit	
	.9	1=kg		Bit	
	.10	1=g		Bit	
	.11	1=lb		Bit	
.9~ 15			Bit		
40003	Scale operation: 0: None; 1: Zero; 2: Tare; 3: Peel; 4:X10 (execute immediately after receiving the command, resume after 10s) 5: gross&net mode switching; 6: Open continuous output; 7: Close Continuous output; 12: sleep; 13: wake up; 14: switch unit;99: Restart the device			Integer	Write
40004	Number of decimal places, optional: 0, 1, 2, 3, 4. Note: During the state of magnification 10 times, the number of decimal places may change temporarily		0	Integer	Read& Write
40005/40006	Gross weight (ignoring the decimal point)			Integer ⁽¹⁾	Read
40007/40008	Tare weight (ignore the decimal point)			Integer ⁽¹⁾	Read&Write
40015	Units, optional: 0:kg; 1:g; 2:t		0 (kg)	Integer	Read& Write
40031	Slave address (own address):1~32		32	Integer	Read&Write
40032	Software version number: PRRTT: Ten thousand digit is the product number, hundred digit and The thousands digit is the release version number, and the ones and tens digits are the temporary version number.			Integer	Read