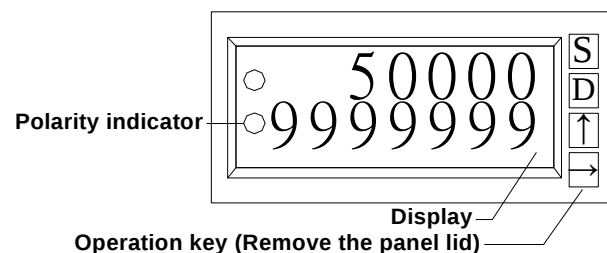


DML Flow Digital Meter

□Operation Panel



□Keys

Key	Function	Instruction
S	Enter key	Enter setting mode
D	Confirm key	Confirm setting
↑	Change number	Change number
→	Change position	Change position
S + →	Reset value	Press S and → at the same time to reset accumulated value.

□Parameter Setting

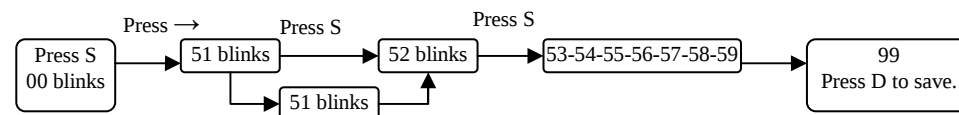
Press "S" to enter function option: 01、02、03、04、05、07、08、09.

Press "↑" and "→" to set parameter.

	Function	Instruction	Note
01	XXXXXXXX	No need to set Press "S" to enter 02.	
02	Display value setting (Span)	Press "↑" and "→" to set. Press "D" to enter 03	EX: Input :DC 4-20mA Display: 0-150.0 Set 02 as :1500
03	Decimal point setting	Press "→" to choose decimal point position. Press "D" to enter 04.	Pay attention to the change. 1888.8
04	Output selection	Press "↑" to choose output signal: 0-20ma/4-20ma/0-10ma or 0-5V/0-10V/1-5V Press "D" to enter 05	*V / mA can't exchange. *No need to set without output function.
05	Output correspondence value setting	Press "↑" and "→" to set. Press "D" to enter 06.	EX: Display: 0-150.0 Output: DC 4-20mA Set 05 as :1500
06	Baud Rate	Press "↑" to choose Baud Rate: 1200-4800-9600-4800-19200 Press "D" to enter 07.	Preset value: 9600 No need to set without RS 485 output.
07	Address	Press "↑" and "→" to set. Press "D" to enter 08.	Address: 1-99 No need to set without RS 485 output.
08	PULSE output setting	Press "↑" to choose pulse output type. 1Count for 0.01 / 0.1 / 1.0 / 10 PULSE Press "D" to enter 09.	Preset as 1Count / 1Pulse
09	Save	Press "D" to enter 99 mode. Press "D" to save.	Setting will be effective after keying in 99.

□HI-SETTING Function(Optional Function)

Function : When accumulated value reaches set point,relay will be on and reset by 3,4 Pin



□Example:

1. Input: DC 4-20mA Display:0-150.0 M³/h Accumulated: 0-9999999M³

Output: DC 4-20mA corresponds to 0-150.0 M³/h Pulse output: 1M³/1Pulse

Press S to enter setting mode. "0 0" blinks.

Press D to enter 02 Display value setting. Press "↑" "→" to set as 1500 Press "D" to enter 03

Press D to enter 03 Decimal point setting. Press "→" to set as 1888.8 Press "D" to enter 04

Press D to enter 04 Output selection. Press "↑" to set as 4-20 Press "D" to enter 05

Press D to enter 05 Output correspondence. Press "↑" "→" to set as 1500 Press "D" to enter 06

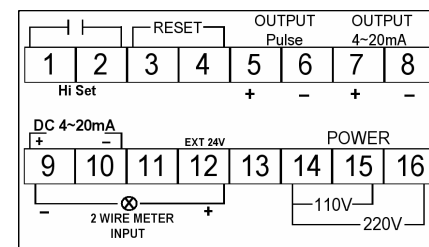
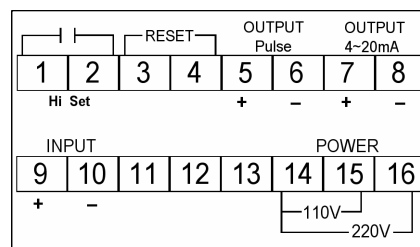
Press D to enter 06 -----No need to set----- Press "D" to enter 07

Press D to enter 07 -----No need to set----- Press "D" to enter 08

Press D to enter 08 Pulse output selection Press "↑" to choose 1.0 Press "D" to enter 09

Press D to enter 09.Press D, display 99.Press D to save.

□Connection Diagram



*** For AC/DC85-265V power ; 15+ 16-

DML Flow Digital Meter

☐Communication Protocol

MODBUS – RTU MODE

Data Form

(ID Number) 1Byte	(Function Code) 1Byte	(Data) N Byte	CRC 2 Byte
----------------------	--------------------------	------------------	---------------

Function Code

03 (03H)	Read parameters of the meter
06 (06H)	Set parameter

***This model is without 06 function.**

Start byte: 1bit ’ Data byte: 8 bits ’ Stop byte: 1bit. Without parity check bit

EX. 1. Read meter display value.

Master sends message to Meter				
ID Number 1Byte (01H)	Function 1Byte (03H)	Address 2Byte (00 01H)	DATA number 2Byte (00 01H)	CRC 2Byte (D5 CAH)

Instruction: Master calls meter ID No.1 to read address 0002.Data number 0001

If the meter displays 1000.

Meter responds to Master.				
ID Number (01H)	Function (03H)	Data Byte (02H)	Data (03E8H)	CRC (B8 FAH)

Values / Address Reference list. (Refer to ModScan32)

Address	Length	Name	Instruction	R(Read) W(Write)
40002	1Word	Current Flow Rate		R
40003 40004	2Word	Accumulating Flow Rate	HI_Word (40003) LO_Word (40004)	R