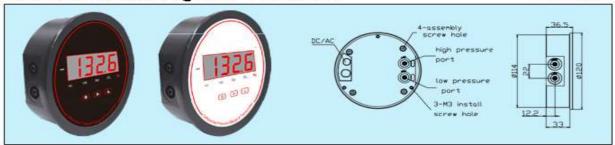# D2M Multi-Function Digital DP Transmitter **GALAXY**

Applications and features

● Apply high accuracy MEMS sensor and digital technologies, can measure positive, negative or differential pressure. It can completely replace the traditional pointer mechanical gauge
● As a "three-in-one" product, it combines the gauge, two relays, and transmitter in one unit, can supply measurement, digital display, on/off control and transmitter output simultaneously
● It can measure system pressure of fan, blower, filter, furnace draft and orifice plate and can apply to various clean room, biological safety cabinet, clean bench, ducts collection, medical or pharmaceutical machine, etc.
● Suitable for surface, panel or flush mount
● Multiple ranges, outputs, alarm, engineering units selectable
● No movable parts, no effect on vibration. Super slim design (only 33mm thick for flush mount)
● The accuracy is up to ±1% FS and the range can be 25Pa
● Optional 2 relay outputs and related two LEDs for indicating alarm status
● Function keys: zero calibrate, units select, relay set, etc.

Specifications

Medium: Non-combustible, non-corrosive air, insensitive to moisture, dust, condensation and oil
Medium Temp.: 0~60°C
Work Environment: -20~70°C
Temp. Compensation: 0~50°C
Work Pressure: overload 10xFS(≤1kPa)/8xFS(≥1kPa) burst 20xFS(≤1kPa)/10xFS(≥1kPa)
Size: 115mm diameter opening/33mm thick for flush mount
Connection: 1/8" ID tubing, two pairs (on left side and back)
Display: 4 bits 0.8" red LED
Output: 0-10V & 4-20mA (3 wires)
Output Load: ≤500Ω (current), ≥2kΩ (voltage)
Digital Output: RS485/Modbus(9600-n-8-1)
Relay output: 2×SPST, 3A×30VDC/250VAC or 1×Buzzer
Electrical wiring: Cable from the back of enclosure
Accuracy: ±1.0%FS (±2%FS@25Pa)
Stability: ±0.5%FS /Year
Thermal effect: ＜0.05%FS/°C (Zero), ＜0.08%FS/°C (FS)
Response time: 0.5-30s
Power: 9-28VAC, 9~35VDC, optional 85-265V AC
Key: 3 touch buttons
Material: fire retardant ABS+PC(UL94V-0)
Protection: IP65
Weight: 335g
Approval: CE
Accessory: Standard accessories include 1002(5mm ID PVC tube 2m) and A-S0 (including 3 brackets and screws). Options are A-S1, A-S2 and A-S7-X. They can be used for surface, panel or flush mount and should be ordered separately. See details in Accessories.

Models

Model	D2M					Multi-Function Digital DP Transmitter
Range		X				Range Selection
Relay			0			N/A
			1			2×SPST
			2			1×Buzzer
Output				0		N/A
				1		0-10V&4-20mA
				8		RS485/Modbus
Power					0	9-28VAC, 9~35VDC
					1	85-265V AC

1. Can't select Code "0" for both Relay and Output.
2. When the Output is 1 or 8, Power can be only 16-28V.
3. The standard front cover is matte black. If select matte white instead, add suffix -W after the Model No.

Ranges

Code	UNIT & Range & Display Resolution					
	Pa	**Pa**	**kPa**	**in w.c.**	**mm w.c.**	**mbar**
0	0-25	25.0	0.025	0.100	2.50	0.250
1	0-60	60.0	0.060	0.250	6.00	0.600
2	0-125	125.0	0.125	0.500	12.00	1.250
3	0-250	250.0	0.250	1.000	25.00	2.500
4	0-500	500.0	0.500	2.000	50.00	5.000
5	0-1000	1000	1.000	4.000	100.0	10.00
6	0-2500	2500	2.500	10.00	250.0	25.00
7	0-5000	5000	5.000	20.00	500.0	50.00
8	0-10000	10000	10.000	40.00	1000.0	100.00

1. 5 engineering units can be set by keys and the related LED will be on.
2. For zero center models, add "Z" at the end of the model. For example, D2M1xxxZ, means calibrated range is -30-0-30Pa. Only ranges 1~6 have this selection.