

[Supplement Material]
Replacement of
the ceramic capacitance manometers
CCMT-D series
Controller GM-2001, GM-2002

Measurement Instruments Department
Components Division
ULVAC, Inc

GM-2001, GM2002 → ISG1(+AC adapter)

- The successor model to GM-2001 and GM2002 will be ISG1 (+ AC adapter).

Model	CCMT-D Series	Cable	Display AC adapter
GM-2001			
GM-2002			<p>※ In case of replacement from GM-2001</p>
ISG1 (+ AC adapter)			

GM-2001, GM2002 → ISG1(+AC adapter)

- Specification comparison chart

Main differences		GM-2001	GM-2002	ISG1(+AC adapter)
Measurable pressure range	CCMT-1000D	0.000 to 133.32 kPa		$0.0 \times 10^{+2}$ to $1.3 \times 10^{+5}$ Pa
	CCMT-10D	0.0000 to 13.332 kPa		$0.0 \times 10^{+1}$ to $1.3 \times 10^{+4}$ Pa
	CCMT-10D	0.00 to 1333.2 Pa		0.0×10^0 to $1.3 \times 10^{+3}$ Pa
	CCMT-1D	0.000 to 133.32 Pa		0.0×10^{-1} to $1.3 \times 10^{+2}$ Pa
Display		4.5 digits		Mantissa part: 2 digits Exponential part: 1 digit
I/O connector		Terminal block		D-sub15-pin
Power supply voltage		AC85 to 264 V	DC24 V	DC24 V (AC90 to 264 V: AC adapter option)

GM-2001, GM2002 → ISG1(+AC adapter)

- Specification comparison chart

Main differences	GM-2001	GM-2002	ISG1(+AC adapter)
Analog output Pressure conversion formula	LIN $P = V \times K \times 10 \times L$		LOG $P = V \times K \times 13.33$
Output graph			
Above measurable higher limit	11.5 V		10.0 V
Example : 1000Pa	10.0 V (LIN 1, K=10)		7.50 V (K=10)
Below measurable lower limit	-1.00 V		0.00 V
	P: Pressure Value (Pa), V: Measurement value output voltage (V) , L: Lin 1=1, Lin 2=10, K: Factor of sensor type (Refer to the table below)		

K	Sensor type		
1000	CCMT-1000A	CCMT-1000D	CCMH-1000D
100	CCMT-100A	CCMT-100D	CCMH-100D
10	CCMT-10A	CCMT-10D	CCMH-10D
1	CCMT-1D	CCMH-1D	