

DELCOM 100A

Electric Micrometer Amplifiers



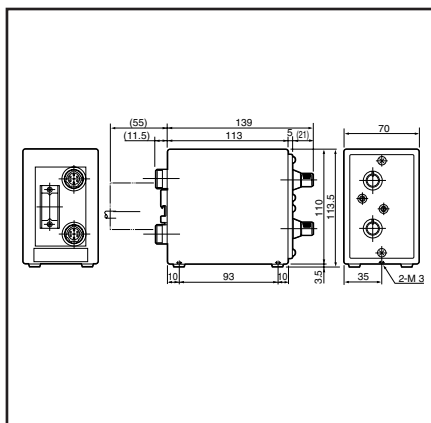
- Configured with ACCRETECH measuring head, analog signal output
- Meter display output terminal (meter is optional)
- Automatic measuring device compatibility function (external zero shift, abnormally detection)
- One or two input specifications

Specifications

Model	E-DL-110A	E-DL-120A
Product code	0902001	0902002
Input detector	1	2
Display	None	
Maximum measuring range	±900 μm	
Judgment output signal	No	
Output signal rating	DC +30 V 40 mA or less	
Input signal rating	VCE: 30 V	
	IC: Transistor with load capacity of 30 m or more	
Memory function	No	
Digital output	No	
Analog output	±9V (±900 μm)	
Analog input	DC 10mV/μm (detector and calculation)	
Power source*	DC ±15 V (±1%)	
Power consumption	3W	
Outer dimensions	70 (W) × 118 (D) × 114 (H) mm	
Weight	0.7kg	
Usage temperature range	0 - 40°C	
Self diagnosis function	Yes	
Standard accessories	Compact driver	

*Power provided externally

Outer Appearance/Dimension Diagram



Interface signal

I/O type	Signal name	Pin No	Remarks
Out	G ₁ analog output	1	Up to ±10 V
	G ₂ analog output	(2)	
	G ₁ + G ₂ analog output Common	(3)	
In	Zero shift quantity input	5	Meter display shifts during pin no. 16 input
	Common	6	
Out	Meter output Hi range	7	Analog output for Hi meter
	Meter output Lo range	8	Analog output for Lo meter
Power	Common	9	power input
	+ power input	12	
	Power input (common)	13	
	- power input	14	
In	DC 12 - 24V input	10	Zero shift enabled
	Zero shift enabled input	16	
	G ₁ + G ₂ single value display	(17)	
	G ₂ single value display	(18)	
Out	G ₁ single value display	19	Meter display value switching signal
	G ₁ error output	20	
	G ₂ error output	(21)	
	COM.	22	
FG	FG	24	Frame ground

Figures in () are E-DL-120A

DELCOM 300

Electric Micrometer Amplifiers

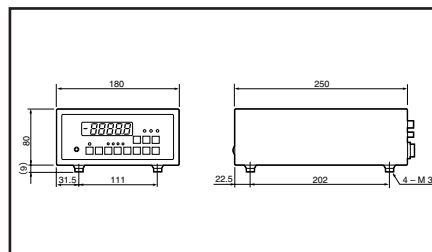


- One input dedicated amplifier (configuration of A/E converter and detector)
- Digital output selectable (RS232C, BCD, optional settings)
- Analog input available
- Memory function provided (MAX, MIN, P-P)

Specifications

Model	E-DL-300	E-DL-300-1	E-DL-300-2	E-DL-300-3
Product code	2202579	2202580	2202581	2202578
Input detector	1			
Display	7-segment LED			
Maximum measuring range	±1999 μm			
A/D conversion cycle	Approx. 22 times/second			
Judgment output (standard)	CMOS level 74HC equivalent			
Judgment output (option)	No	-NG, OK, +NG (contact output)	-NG, OK, +NG (contact output)	-NG, OK, +NG (open collector output)
Input signal (standard)	Input signal (standard) open collector or dry contact			
Memory function	Storage of maximum, minimum and peak-to-peak values (difference between maximum and minimum)			
Digital output	No	RS-232C output	BCD output (CMOS level)	BCD output (open collector)
Analog output	1V/2mm			
Analog input	1V/2mm			
Power source	AC 85 - 250 V			
Power consumption	10VA			
Outer dimensions	180 (W) × 250 (D) × 80 (H) mm			
Weight	2kg			
Usage temperature range	0 - 40°C			
Self diagnosis function	Yes			
Standard accessories	3m 3-wire cable (Power connector provided), standard small screwdriver, 0.5 A fuse			

Outer Appearance/Dimension Diagram



Option	Product name	Remarks
0998880	Power cable 5M	Accessory necessary if the provided power connector is too short.
4205501	Cable RS232C cross	No charge if standard straight cable is not required
4205502	Cable to connect statistics printer	No charge if standard cable is not required
4205503	Judgment result connection output cable	Suitable for models 1 and 2
4205504	Judgment result open collector output cable	Suitable for model 3



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