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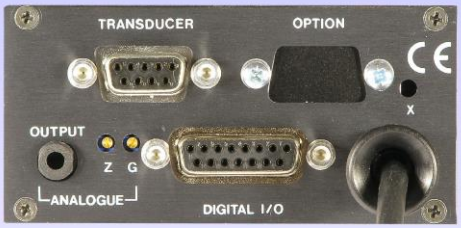
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E725 Microprocessor Based Digital Indicator / Panel Meter





- LVDT amplifier
- Strain gauge transducer amplifier
- Digital display module
- Limit trips
- Serial output
- Voltage / 4-20mA output

Signal conditioning is required where the output of a transducer needs to be boosted or changed into a form suitable for the monitor or logging device which will be used. Our digital display units have a built-in monitor device in the form of the digital display as well as analogue output.

The E725 amplifier unit additionally has a serial output and limit trips with optional relays. Features such as auto-zero and MAX, MIN and TIR store are features which are also available with most versions of this unit.

A very wide range of gain adjustment ensures that our amplifiers are compatible with the vast majority of LVDT and strain gauge sensors available from any manufacturer.

Supply voltage			
	Supply voltage	Operating temperature range	Total weight
Ac supply version	115/230 (+5/-15%), 50/60Hz, 7VA	-10°C to 45°C	510g
Dc supply version	5V(+50%, -10%) /12/24V (+50%, -25%) dc 7W	-10°C to 55°C	430g

Option card (none or one may be selected)				
Option code	Description			
2AC	Second input of type AC	Transducers must have sensitivity within 15% of each other and display the same full scale value		
2DC1	Second input of type DC1			
2DC2	Second input of type DC2			
2DC3	Second input of type DC3			
FM	Fast peak catcher card			
R	Relay card (Mechanical)	Number of channels = 4	Operation time = 20ms	Contact rating = 150V dc/125V ac, 30W/60VA
FR	Relay card (Mechanical)	Number of channels = 2	Operation time = 5ms	Contact rating = 150V dc/125V ac, 30W/60VA
RS	Relay card (Solid-state)	Number of channels = 4	Operation time = 20ms	Contact rating = 200V dc/130V ac, 200mA
FRS	Relay card (Solid-state)	Number of channels = 2	Operation time = 5ms	Contact rating = 200V dc/130V ac, 200mA

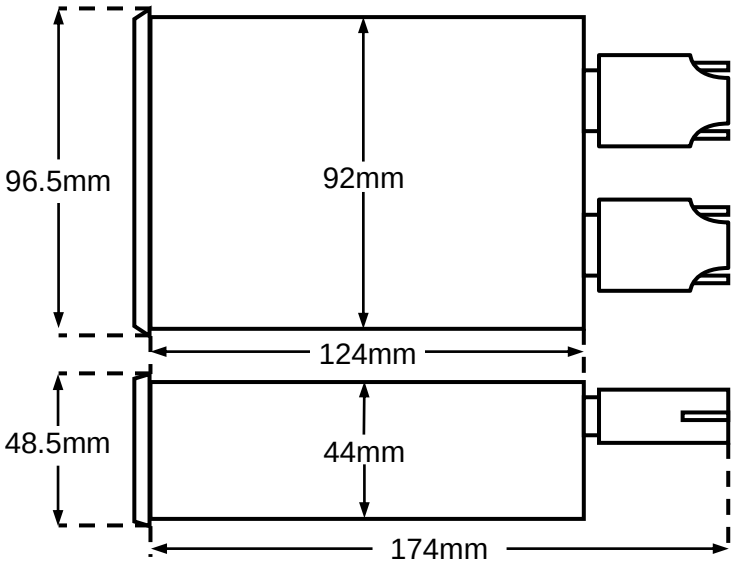
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FM	Fast peak catcher card			
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FR	Relay card (Mechanical)	Number of channels = 2	Operation time = 5ms	Contact rating = 150V dc/125V ac, 30W/60VA
RS	Relay card (Solid-state)	Number of channels = 4	Operation time = 20ms	Contact rating = 200V dc/130V ac, 200mA
FRS	Relay card (Solid-state)	Number of channels = 2	Operation time = 5ms	Contact rating = 200V dc/130V ac, 200mA

Serial output
Standard = RS232
Optional = RS485

Analogue output (This unit has both Voltage and 4-20mA outputs)					
Input Card Type	F.S. (-)	0	F.S. (+)	Output ripple (peak-to-peak)	Approximate zero adjustment range
AC Standard	+10V/20mA	+5V/12mA	0V/4mA	5mV / 20uA (typical)	±1.5V
AC Special option 11	+10V/20mA	0v/4mA	-10V		
DC Standard	+10V/20mA	0V/4mA	-10V	2mV / 30uA (typical)	
DC Special option 12	+10V/20mA	+5V/12mA	0v/4mA		

Limit trips (standard)			
E725 TTL output	Number of channels = 4	Operation time = 15ms	Maximum source/sink current = 13mA

Other features					
Description	DC1, DC2, DC3 & AC	2DC1, 2DC2, 2DC3 & 2AC	FM	R/RS	FR/FRS
3 modes may be programmed each with a different gain and offset from the primary channel	✓	—	✓	✓	✓
A, B, (A+B)/2, A-B	—	✓	—	—	—
Multi-point calibration, up to 11 calibration points to improve linearity	✓	—	—	✓	—



Panel cut-out 93mm X 45mm

Part number structure - (example, E725-230-DC1-R-0-0)

E725	Supply voltage		Input Card Type		Option card (none or one may be selected)		Serial output		Special option	
	5	=5Vdc	AC	=Any standard RDP LVDT (without integral electronics). Most LVDTs from any manufacturer.	0	=None	0	=RS232	0	=0
	12	=12Vdc			2AC	=Second input of type AC	1	=RS485		
	24	=24Vdc			2DC1	=Second input of type DC1				
	105	=105Vac	DC1	=Most full bridge strain gauge transducers DCTH, Sensagap & MCL Most amplified transducers from any manufacturer	2DC2	=Second input of type DC2				
	115	=115Vac			2DC3	=Second input of type DC3				
	230	=230Vac			FM	=Fast peak catcher card				
					R	=Relay card (Mechanical) Number of channels = 4 Operation time = 20ms				
			DC2	=Most 4-20mA transducers	FR	=Relay card (Mechanical) Number of channels = 2 Operation time = 5ms				
			DC3	=D2 & LDC	RS	=Relay card (Solid-state) Number of channels = 4 Operation time = 20ms				
					FRS	=Relay card (Solid-state) Number of channels = 2 Operation time = 5ms				

All dimensions and specifications are nominal.

Due to our policy of on-going development, specifications may change without notice. Any modification may affect some or all of the specifications for our equipment.

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