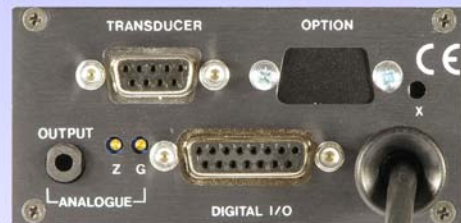


## E725 Microprocessor Based Digital Indicator / Panel Meter



- 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

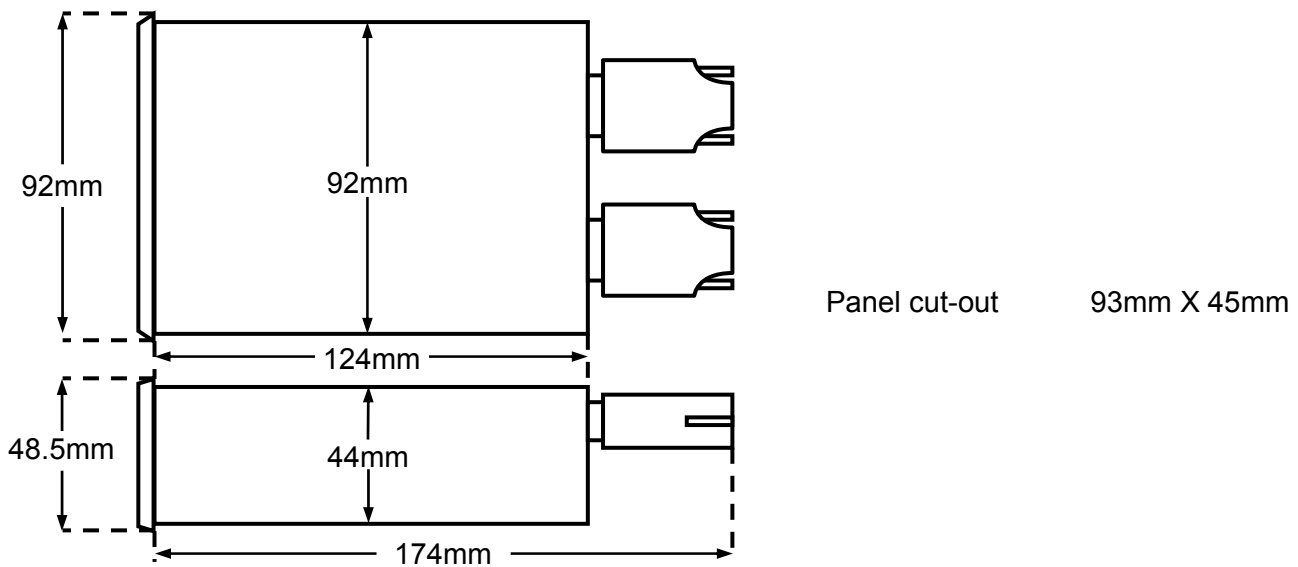
Option card (none or one may be selected)				
Option code	Description			
2AC	Second input of type AC	Transducers must have sensitivity within 15% of each other and display the same full scale value		
2DC1	Second input of type DC1			
2DC2	Second input of type DC2			
2DC3	Second input of type DC3			
FM	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

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	✓	—	—	✓	—



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	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	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		
			FR =Relay card (Mechanical)		
			Number of channels = 2		
			Operation time = 5ms		
			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.

UK Head Office  
 RDP Electronics Ltd  
 Grove Street, Heath Town  
 Wolverhampton, West Midlands, WV10 0PY  
 United Kingdom  
 Tel: +44 1902 457512  
 Fax: +44 1902 452000  
 Email: sales@rdpe.com  
 URL: www.rdpe.com