

## E-690 SERIES ADVANCED UNIVERSAL DATA LOGGERS / SCANNERS



### DESCRIPTION

E-690 Series universal data loggers/scanners are advanced new generation micro-controller based industrial instruments. The universal inputs and outputs of the instrument can be easily programmed by the user. E-690 Series indicate measurements has 6, 12, 18, 24, 30 or 36 channels universal input, 2 common alarm relays and independent alarm relays up to 6, 12, 18 pieces, with its I/O cards easily plugged in or out by users.

It has a wide range of use in Iron-Steel, Chemistry, Metallurgy, Petro-Chemistry, Refineries, Food, Cement, Ceramics, Glass and other industrial branches for monitoring and transferring and recording data to a computer of physical units such as temperature pressure, level, flow rate and voltage.

It is an advanced instrument ensuring transferring of data to a computer via RS-485 and Ethernet connection.



### TECHNICAL SPECIFICATIONS

Accuracy Class	0.5
Display	5" TFT display, 800×480 resolution, 24 bit color, touchscreen
Relay Outputs	SPST-NO ; 250 V AC, 5 A
Relay Outputs Numbers	Max. 18 relay outputs (Depends on the selected configuration)
Analog Digital Converter	16 bit
Analog Input Numbers	Max. 36 analog input (Depends on the selected configuration)
Input Signal	TC (B, E, J, K, L, N, R, S, T,U), RT (Pt-50, Pt-100, Pt-500, Pt-1000, Ni-100, Ni-200, Ni-500, Ni-1000), 0 / 20 mA, 4 / 20 mA, -1000 mV / 1000 mV, 0 / 10 VDC
Power Consumption	15 W max.
Sampling Rate	200 ms. x channel number
Protection Class	IP65 front panel, IP20 rear panel
Operating Temperature	-10 ... 50 °C (Without condensation and icing)
Power Supply	85 - 265 V AC; 50 - 60 Hz / 85 - 375 V DC 20 - 60 V AC; 50 - 60 Hz / 20 - 85 V DC
Communication	10 - 100 Mbit Ethernet, RS-485
Weight	1,6 kg



- This controller complies with the European Low Voltage Directive 2006/95/EC, by the application of safety standard TS EN 61010-1. (Pollution degree 2)
- This controller complies with the EMC Directive 2004/108/EC by the application of EMC standard TS EN 61326.

## ORDERING GUIDE

E-690 Series Advanced Universal Data Loggers / Scanners

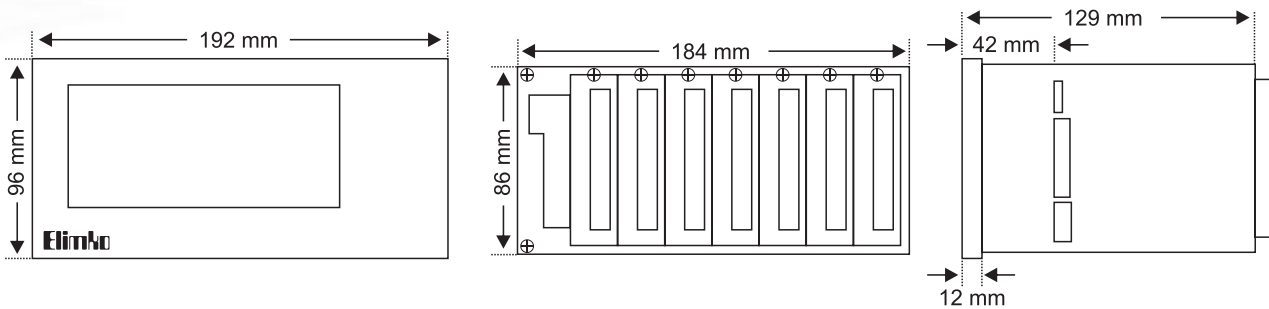
E-690 - S1 - S2 - S3 - S4 - S5 - S6 - Z

### Standard Features

- Programmable universal inputs
- RS-485 ModBus RTU, Ethernet

	S1	S2	S3	S4	S5	S6	Z
<b>S1</b>							
None	0						
06 analog inputs	1						
06 relay outputs	2						
<b>S2</b>							
None		0					
06 analog inputs		1					
06 relay outputs		2					
<b>S3</b>							
None			0				
06 analog inputs			1				
06 relay outputs			2				
<b>S4</b>							
None				0			
06 analog inputs				1			
06 relay outputs				2			
<b>S5</b>							
None					0		
06 analog inputs					1		
06 relay outputs					2		
<b>S6</b>							
None						0	
06 analog inputs						1	
06 relay outputs						2	
<b>Power Supply</b>							
85 - 265 V AC; 50 - 60 Hz / 85-375 V DC							0
20 - 60 V AC; 50 - 60 Hz / 20-85 V DC							1

## DIMENSIONS



Panel cut-out = 88x186 mm



The company's policy is one of continuous product improvement. We reserve the right to modify the information contained herein without notice.



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