F08-9026-S2

Instrumentation Controller



Highly Universal Controller for tension and compression

Instrumentation controller is for 2-input for compression and tension control in a steel mill. It can display plus/minus calculation results through analog output and wide analog meters.

It is a highly universal instrumentation controller with unilateral operation function, stands switchover function, comparison function and peak hold function.

Specifications

Specification	15			
Channels 2 (LOAD A, LOAD B)				
Applicable Transducers 87.5 to 700 Ω				
Additional Bridge Voltage 10 VDC±2%				
Remote Sensing	Cable resistance 10 Ω or less			
Measuring Ran	ge ±2.5 mV/V			
Sensitivity Adjustment Range 0.25 mV/V to 2.5 mV/V				
Zero Adjustment Range ±1 mV/V (Hardware zero adjustment)				
Count zero (Auto zero balancing) measuring range				
Nominal Value (CAL) 50% output for relative measuring range				
Frequency Response 10, 500 Hz (Cutoff point)				
Nonlinearity ±0.05% FS (Output voltage from amplifier)				
Zero Stability	±0.02% FS/°C (1 mV/VFS)			
Sensitivity Stab	ility ±0.02%/°C (1 mV/VFS)			
A/D Conversion Speed Sampling Frequencies 4 kHz, 2 k Hz for				
2 channels each				
Resolution: 16 bits				
D/A Output	± 10 V, ± 5 V (Load resistance 2 k Ω or more)			
	4 to 20 mA (Load resistance 500 Ω or less)			
	Sets each port by any key input possible			
	Current output switchable by switch on main port			
	Mainframe isolation output, isolated withstand voltage			
	500 VAC, 1 min.			
Resolution	16 bits			
Output Points	Mainframe: 4 ports, additional: 4 ports, total 8 ports			
	isolated between 4 mainframe ports and 4 additional			
	ports output (No. 6 and No. 7 ports are for analog monitor)			
Output Modes	A-alone, B- alone, A+B and A-B			
	Each port is set randomly			
Nonlinearity	Within ±0.1%FS			
Analog Monitor	For total value: 0 to 100 (%)			
	For difference value: -50 to 50 (%)			
ROM	128 k flash memory			
Interfaces	PPI (CN5): For keyboard of WDC-810B-KB			

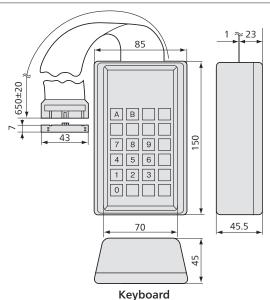
EIA-232-D (For maintenance)

Comparison Ou	ıtput
4 points, oper	n collector output LOAD ON 1, LOAD ON 2,
OVER LOAD 1	, OVER LOAD 2
Condition set	tings: Using a keyboard of WDC-810B-KB
Setting items:	comparison value (%), comparative mode (A/B-alone,
	plus, minus). A-alone for comparator, B-alone, A+B,
	A-B, random setting)
Max. input vo	ltage: 30 V Residual Voltage: 1 V or less
Max. load cur	rent: 100 mA
Control Output	7 points, open collector output
	Response (ZERO, CAL, A×2, B×2, HIGH)
	POWER ON HEALTHY, CPU ERROR
Control Input	11 points (Non-voltage contact), Auto zero command (ZERO)
	CAL command
	Unilateral operation (A×2, B×2 command)
	Interlock OFF command
	Standard switch over 5 points (Memory management
	sensitivity registered value and ZERO value)
	Gain command (HIGH)
Peak Hold Action	Peak hold action is set by keyboard
	Setting through PORT
	① when strain capacity is over baseline value,
	clear previous hold value, setting time is (1 to 9.9 s),
	zero display
	② Measure through peak hold after setting time
	$\ensuremath{ \! \! }$ Baseline value and setting time are set by keyboard input
	Setting value is used together with each PORT
Power Supply	100 to 240 VAC
	perature -10 to 55°C
Operating Hum	nidity 20 to 85% RH (Non-condensing)
Weight	Approx. 5 kg

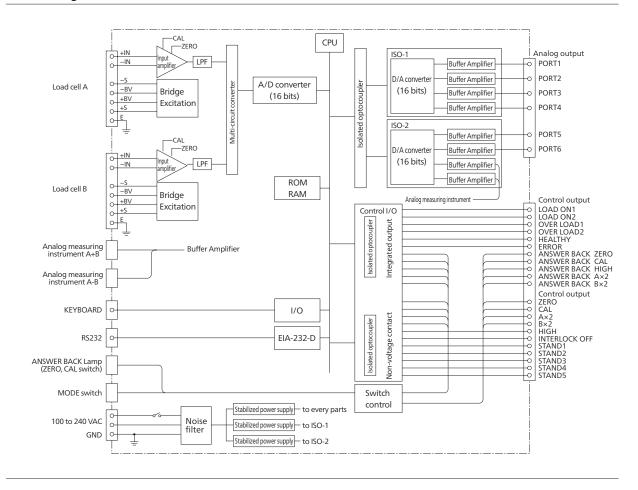
● Keyboard WDC-810B-KB (Optional)

Function Keys	Channel Key	(A) (B)
	Key 0	(ZERO)
	TAB key	(CAL)
	Port Selection Key	(PORT)
	Display Key	(DISPLAY)
	Mark Key	(F0) (F1)
	Number Key	(0)(1)(2)(3)(4)(5)(6)(7)(8)(9)
	Load Key	(LOAD ON)
	Overload Key	(OVER LOAD)
	Gain Key	(GAIN)
	Clear Key	(CLR)
	Return Key	(ENT)
Dimensions	85 W × 150 H × 45.5 D mm	

Keyboard Dimensions







Dimensions

