

Software specification

Item	Main functions		
Test condition setting	・ Data, upper and lower limit monitor condition, operation pattern, correlation monitor condition, average measurement condition, high speed measurement condition, continuous measurement condition ・ Option: minimum and maximum measurements (such data are used for computing average measured data.)		
Setting up the operation pattern	・ Number of pattern maximum repeat : 999,999 times ・ Number of letters in the pattern configuration : 1,200 letters (60 letters X 20 rows) ・ Number of modes created : 200 modes ・ Number of steps created : 500 steps per mode ・ Step-up condition : Time [9999.9 (s) (min)] / Distance [999,999 (m)] / Measurement data External trigger / Synchronizing with the completion of average data measurement ・ DO output : Status maximum 16 points / Pulse maximum 16 points ・ Setting of the output timing : The beginning of step (during the execution start start of the step) / At completion of tilting time / After the specified time (after passing the specified time from the beginning of the step.) / During step-up		
Average data measurement	Average data measurement	High speed measurement	Continuous measurement
Measuring start condition	Start button	Start button / Measuring items (Threshold high, low, upbound passage, outbound passage, width)	
Measurement end condition	Stop button	Stop button / Measuring items (Threshold high, low, upbound passage, outbound passage, width)	
		Time (s)	Time (h)
Measuring items	Measurement, computation, special meter items	Maximum 100 items from the measurement and computing items	Measurement and computing items
Measuring frequency	0.1 (s)	1 ~999 (ms)	0.1 ~99.9 (s)
Maximum number of measuring times	8,000,000 times / number of measuring items	400,000 times / number of measuring items	50,000 times
	However, the upper limit of the maximum number of measurements per measurement item is 50,000 times.		
Number of data files	One file per test	Nine hundred and ninety-nine file per test	One file per test
Other	Measurement interval period (with the number of rpm measurements) Time (sec.), linking with the completion of the fuel consumption measurement Number of measuring items: maximum 250 items		
Monitoring the upper and lower limits	・ Monitoring items : Measurement / computation ・ Monitoring directions : Higher limit, high limit, low limit, lower limit ・ Setting monitoring timer, monitor ON/OFF, monitor OFF group setting ・ AND monitoring condition Monitoring period : 0.1(s) / Item order switching		
Correlation monitor	・ Monitoring pattern (combination) : Within 10 patterns ・ Display of the pattern : X Name / Y Name ・ Monitoring directions : Higher limit, high limit, low limit, lower limit ・ Setting monitoring timer, monitor ON/OFF, monitor OFF group setting ・ AND monitoring condition Monitoring period : 0.1(s)		
Measurement during the failure incident	For high speed	・ Measurement period / 10 (ms) pitch of 10 (ms) to 90 (ms) ・ Number of measurements after the occurrence of failure: maximum 3,000 times ・ Measuring items: maximum 50 items	
	For low speed	・ Measurement period / 0.1 (s) to 99.9 (s) ・ Number of measurements after the occurrence of failure: maximum 3,000 times ・ Measuring items: maximum 50 items	
Setting up the display for operation & measurement	Display parts : Analog meter, digital meter, bar graph, trend 1, trend 4, picture, label, lamp, average measurement trend, operation monitor number value display, operation monitor graph display		
Standard way of making spreadsheet	Types of listing data : Measured average data, high speed measurement data, continuous measurement data (However, it only shows the specified data under the testing conditions.) Number of spreadsheet items (per spreadsheet): 16 items X 3 lines (= 48 items), capable of arbitrary selecting the measuring items		
Standard drafting of drawing	Two-dimensional drawing of one x-axis and "n" y-axes (maximum 10 axes) Types of drawing data : Measured average data, high speed measurement data, continuous measurement data Capable of selecting five measurement files for the drawing data file Drawing using Origin		
External CPU link	Data sharing using the common folder		
Security level	Setting three security levels at the user side Setting the permissible range of operation for each security level		

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