



Sensor

Sensor type	Model	Description	Sensor type	Model	Description
Vibration pickup	Selectable	High sensitivity, wide band, ultra high/low temperature, submersible		PU-441	Side cable connection, intrinsically safe (explosion-proof), waterproof, insulated
	PU-611	Side cable connection, general purpose, waterproof, insulated	Vibration	PU-451	Top cable connection, intrinsically safe (explosion-proof), waterproof, insulated
	PU-621	Top cable connection, general purpose, waterproof, insulated	pickup	PU-446	Side cable connection, with connector, intrinsically safe (explosion-proof), waterproof, insulated
	PU-616	Side cable connection, with connector, general purpose, waterproof, insulated		PU-456	Top cable connection, with connector, intrinsically safe (explosion-proof), waterproof, insulated
	PU-626	Top cable connection, with connector, general purpose, waterproof, insulated	Velocity sensor	Selectable	General purpose, or intrinsically safe (explosion-proof)*1
	PU-661	Side cable connection, high temperature, waterproof, insulated	Displacement sensor	Selectable	General purpose, or intrinsically safe (explosion-proof)*1
	PU-671	Top cable connection, high temperature, waterproof, insulated	Temperature sensor	Selectable	Resistance thermometer, etc.*1

*****3: (

*1: A signal conversion amplifier is additionally required

Local station

Types of configuration units					Specifications of vibration measurement					
		Unit nome	Max. i	nput chanr	iels for eac	h unit] [Measurement mode	Freque
	Unit name		Vibration	Analog	Contact	Pulse			Acceleration ALL	5~
	Base unit		16ch	8ch	8ch	4ch		Measurement	Acceleration BPF	
		Vibration measuring	32ch×2		_	_		_ mode	Acceleration PEAK	1k~
		(Daisy chained wiring)	02011/12					Range	Acceleration ENV	1k~
	Evenneine	Vibration measuring	64ch	_	_	_			Velocity	5~
	unit	Analog measuring and	_	32ch	32ch	_			Displacement	5~
Function Real-time		Deel time	10ah			1 a b		Measurement	Base unit/Vibration scanning u	
		Real-time	12CU			401		interval	$5\sim$ 10s x number of channels	
		vibration measuring	24ch			l Ach	1			

C: Max. 3 of expansion unit or Max. 3 of function unit can be individually connected to a base unit. Note that any combination of units can be connected up to 5 units in amount.

Specifications of FFT analysis

Sampling	With alarm automatic, regular interval automatic, arbitrary					
Frequency range	10, 20, 50, 100, 200, 500, 1k, 2k, 5k, 10k, 20kHz					
Resolution	100, 200, 400, 800, 1600, 3200, 6400, 12800, 25600, 51200 lines* ⁵					
Window function	Rectangular, Hanning, Hamming, flat top					
Averaging	Time synchronized averaging, averaging, overlap					
Analysis support	Multi-channel simultaneous FFT, continuous FFT, triggered measurement, zooming, harmonic analysis, side-band analysis, order scaling					
Cursor function	Single, twin, band, synchronized, $\varDelta t$, $\varDelta f$					
Y 5. Automatic and continuous pressenting can be used only in the same of 100 to 0400 lines						

weasurement	Acceleration Di I	TK ZUKIIZ		= 1500m/o2 #4		
_ mode	Acceleration PEAK	1k~20kHz		\sim 1500m/s ² _{0-P} *4		
Frequency	Acceleration ENV	1k~20kHz				
nallye	Velocity	5∼1kHz		~1000mm/s _{0-P} *4		
	Displacement	5~1kHz		~10000µm _{P-P} *4		
Measurement	Base unit/Vibration scar	Base unit/Vibration scanning unit Real-		-time vibration unit		
interval	$5{\sim}10{ m s}{ m x}$ number of channels] s			
ta summary report	Base(interval 1 to 900s)*3, hourly, daily, weekly, monthly and yearly reports					
Calculating item	Average, max., min., crest factor, measurement condition signal					
Alarm criteria	Relative value alarm, variation value alarm, group alarm					
al abnormality criteria Sensor fault, abnormal measurement value						
an be used only in real-time vibration measurement. *4: The value represents the measurement range when the sensitivity of input sensor is set to 5.1mt/(ms/2). For velocity and displacement, the values represent the measurement range at input signal set to 156.7Hz (Velocity) and 70.5Hz (displacement).						
ecifications of analog measurement						

 $5\sim$ 20kHz

 $1k\sim 20kH_{7}$

Input signal	4 to 20mA $\text{DC}^{*6},0$ to 5V DC, 1 to 5V DC, 0 to 10V DC^{*6}
Measurement interval	1s
Data summary report	Base(interval 1 to 900s), hourly, daily, weekly, monthly and yearly reports
Calculating item	Average, max., min., measurement condition signal
Alarm criteria	Relative value alarm, variation value alarm, group alarm
Signal abnormality criteria	Abnormal measurement value
	*6: A signal conversion amplifier is additionally required.

Non-voltage a-contact (input current : 10mA, 12VDC)

umulative time, cumulative count elative value alarm

Specifications of contact measurement

lourly report

Automatic and continuous processing can be used only in the range of 100 to 6400 lines

Specifications of pulse measurement

Input signal	TTL level input (for time synchronized averaging trigger)

		I	input orginal
Specifications of	contact output		Data summary repor
Output signal	Caution alarm, danger alarm		Calculating item
Contact capacity	Load voltage : 250 VAC(DC) : Continuous load current : 0.2A		Alarm criteria

Online station

Item	Specifications	Item Specifications					
PC	CPU : Core 2 Duo or higher ; Memory : min. 2GB OS : Windows XP/Vista/7	Web browser Display	Internet Explorer 6 or later Windows compatible display (XGA or higher)				
Server	CPU : Xeon 2.66GHz or higher ; Memory : min. 4GB OS : Windows Server 2003/2008 DB : SQL Server 2005/2008	Related vibration instruments					
Display Printer	Windows compatible display (XGA or higher) Windows compatible printer	Displacement-vibration conversion unit Online vibrometer		MP-150 MK-64	Input : displacement 2ch		
		Machine diagnosi	s instrument	MK-210HE II	Portable instrument		

Web client

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* All specifications data contained in this catalog are subject to change without notice for product



Tokyo Head Office (Overseas Sales)

JFE Kuramae Bldg., 2-17-4 Kuramae, Taito-ku, Tokyo 111-0051. Japan e-mail : tokyo@jfe-advantech.co.jp Tel. +81-3-5825-5577 Fax. +81-3-5825-5591

Head Office and Main Plant

3-48, Takahata-cho, Nishinomiya-shi, Hyogo Pref. 663-8202, Japan

e-mail : honsha@jfe-advantech.co.jp Tel. +81-798-66-1508 Fax. +81-798-65-7025



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