

## West Paperless Recorder

**NEW**

- 6.4" color TFT display
- Web-based visualization & configuration
- 4, 8 or 12 universal 16-bit inputs
- Up to 12 relay outputs
- Channel visualization in up to 8 groups
- USB memory stick data storage
- Ethernet interface for configuration
- RS-485 Modbus master/slave
- Mathematical functions in realtime
- IP 65 / NEMA 4X front



**VU3**

### SPECIFICATIONS

Inputs	
T/C	J, K, T, R, S, E, N, B, L
RTD	Pt100, Ni120
DC	mV: 0-50, 10-50 V: 0-5, 1-5, 0-10, 2-10 mA: 0-20, 4-20
Basic Accuracy	
T/C	±0.1% of span ±0.3°C
RTD	±0.1% of span ±0.3°C
DC	±0.1% of span ±1d
Scan Rate	200ms minimum
Outputs	
Relays	3A@250VAC, 0.1A@250VDC resistive
Analog	Six 0-20 or 4-20ma, 12-bit
Communications (both included)	
Ethernet	Modbus TCP
RS-485	Modbus RTU
Display	640x480 color TFT
Memory	150Mb internal flash
Temperature	0-55°C operating
Power	100-240VAC, 50/60Hz
Dimensions	5.375"H x 5.44"W x 7.0"D

Math function option: up to 12 additional channels can be defined with general arithmetic calculations, logic operations, statistical functions, reporting functions & triggering of automatic sequences.

### ORDERING INFORMATION

To Order, Insert Code for Each Letter to Select Catalog Number.

Example VU3-400-000-A0-0 VU3 - **A** - **B** - **C** - **D**

<b>A</b>	Inputs		
	400	4 channels	
	440	8 channels	
	444	12 channels	
<b>B</b>	Outputs		
	000	None	
	A00	12 relays	
<b>C</b>	Transducer Power		
	00	None	
	A0	12 supply outputs	
<b>D</b>	Special Functions		
	0	None	4 Batch + Math
	1	Batch report	5 Batch + Ext channels
	2	Math functions	6 Math + Ext channels
	3	External channels	7 Batch + Math + Ext ch

## Hioki Data Loggers



- Miniature size
- 16,000 or 32,000 reading storage
- Data is retained even when the batteries are dead
- Power saving function

**3641-20**

Model	Range	Memory*	Feature
<b>Temperature</b>			
HK/3632-20	-20 to 70.0°C	16k	Waterproof with built-in sensor
HK/3633-20	-40 to 180.0°C	16k	External/internal sensor, waterproof
<b>Temperature &amp; Humidity</b>			
HK/3641-20	-40 to 85.0°C, 0-100.0% RH	16k	Alternately record on two channels
<b>Current</b>			
HK/3634-20	0-20.00mA DC	16k	
HK/3636-20	0-50.00/500.0A AC RMS	32k	2ch with optional clamp sensor
HK/3638-20	AC Leakage Current	32k	2ch with optional clamp-on sensor
<b>Voltage</b>			
HK/3635-24	±500.0mVDC	16k	
HK/3635-25	±5.000VDC	16k	
HK/2635-26	±50.00VDC	16k	
HK/3637-20	0-600.0VAC RMS	32k	
HK/3645-20	±50.00mV/500.0mV/ 5.000V/50.00DC	32k	Multi-range logger with preheat signal function
HK/3639-20	9,999count/ interval	32k	Pulse Totalizer (1ch)
HK/3640-20	2000/20000/200000 lux	32k	Illumination (1ch)

\*16k readings unit have record interval of 2/5/10/15/20/30 seconds, 1/2/5/10/15/20/30/60 minutes. Models with 32k readings also have a 1sec record interval.

### SPECIFICATIONS

<b>Accuracy</b>	
3632-20:	±1.0°C, except ±0.5°C from 0-35.0°C
3633-20:	±0.5°C (0-35.0°C)
3641-20:	±0.5°C (0-35.0°C), ±5% RH (at 25°C)
3634-20:	±0.8% rdg ±5d
3636-20:	±1% rdg ±5d (main unit only)
3638-20:	±1% rdg ±5d (main unit only)
3635-24/-25/-26:	±0.8% rdg ±5d
3637-20:	±1% rdg ±5d
3645-20:	±0.5% rdg ±5d
3639-20:	±1d
3640-20:	±4% rdg ±5d
<b>Data Transfer:</b>	500 data elements/second via infrared link
<b>Power Supply:</b>	2 AAA batteries
<b>Dimensions:</b>	2.24"W x 2.91"H x 0.77"D
<b>Environment:</b>	Indoors, 0°C to 50°C, <80% RH

The Communication Base is used to transfer data from a Data Logger to PC. It can collect data on up to 16 channels. Data from multiple Data Loggers that are installed in fixed positions can be collected and then transferred to a PC via RS-232 or USB for analysis and processing.

Settings that can be made through the main unit: recording interval, recording start/stop. Settings that can be made through the Communication Base: current time, recording interval, recording start time, recording method, comment.

HK/3911-20	RS-232 Communications Base
HK/3920-20	USB1.1 Communications Base