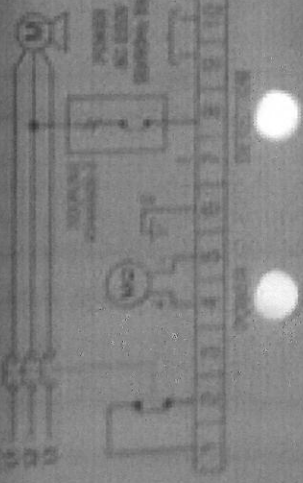


# GROUNDING RESISTANCE MONITOR

TYPE 15A16B500-2

INSULATION MONITOR  
FOR AC HIGH VOLTAGE MOTOR



ALARM (MΩ)

1 3 5 8 10 20 50 75 100 150

20

11 12 13 14 15



Manufacturer's Name and Address

71

CONNECTED  
WITH LINE

COUPLING DEVICE  
ICHV6600-2

**DANGER**  
HIGH VOLTAGE

OPENING VOLTAGE  
& CURRENT

DISCONNECTOR  
CONTROL POINT



SALES 705 230  
MADE IN CANADA  
TEL. 416 512-2626  
FAX 416 512-2626

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## GROUND MONITOR ( PROTECTION FOR AC HIGH VOLTAGE MOTOR )

### ■ SPECIFICATIONS FOR ICHV6600

MODEL	ICHV6600-1	ICHV6600-2
Aux. Power Rating	AC 110V 50/60Hz	AC 220V 50/60Hz
Aux. Power Variations	AC 85 ~ 135V	AC 170 ~ 270V
Rated of Insulation Voltage	AC 6.6KV / 50~60Hz	
Range of Insulation Voltage	AC 0~7590V	
Impulse	12KV	
Dielectric Strength	2.5 KV / 1 min between T.B and enclosure	
Range of Measurement	0 ~ 500 MΩ	
Measurement Circuit	AC 1P / 3P Non grounded line	
Rating	Continuity	
Operating Temperature Range	- 20℃ ~ + 55℃	
Storage Temperature Range	- 40℃ ~ + 80℃	
Storage Temperature Range	PC ( Frame retardent )	

## GROUND MONITOR ( PROTECTION FOR AC HIGH VOLTAGE MOTOR )

### ■ GENERAL INFORMATION

The ground monitor is intended to monitor the insulation resistance to ground of motors or AC voltage lines. If the insulation resistance of your motor or system goes below a predetermined value, the ground monitor will raise an alarm.

The ground monitor is an electronic insulation resistance detecting device with electromechanical relay contact output. And its detect circuit is electrically isolated from alarm circuit, so there's no interference between them.

### ■ MONITORING METHOD

The ground monitor must be connected with the coupling device that is connected with the line or system, and its monitoring operation is not affected by induced voltage that is caused by rotor during motor's operation. Connecting with any of the 3 phase lines or 1 phase line, the monitor can detect the insulation resistance value of your system or motor. When the aux. power is turned off, the internal detection line of the monitor is shut off.

### ■ ALARM SETTING

According to environment and system which the monitor is to be applied to, users can set the detect value freely by adjusting knob within the limit of regular range or option range. And the monitor has the function that protects the monitor from surges and impulses arising from permittivity of lines.

### ■ SPECIFICATIONS FOR ISAH6600

MODEL	ISAH6600-1, ISAH6600M-1	ISAH6600-2, ISAH6600M-2
Aux. Power Rating	AC 110V 50/60Hz	AC 220V 50/60Hz
Aux. Power Variations	AC 85 ~ 135V	AC 170 ~ 270V
Maximum Power Consumption	10 VA	
Insulation Detect Range	$\infty$ ~ 200 ~ 100 ~ 50 ~ 0 M $\Omega$	
Detect Line Voltage	AC 3P 0 ~ 7590V ( max. )	
Maximum Leakage Current	10 $\mu$ A ( DETECTOR CIRCUIT )	
Monitoring Method	Connect with Coupling ( ICHV6600 )	
Detect/Alarm Accuracy	$\pm$ 5% ( 1 ~ 200 M $\Omega$ )	
	$\pm$ 10% ( Below 1M $\Omega$ , Above 200M $\Omega$ )	
Alarm Set Range	1 ~ 200 M $\Omega$ ( Select by 12 steps selector switch ) ( 1 - 3 - 5 - 8 - 10 - 20 - 30 - 50 - 70 - 100 - 150 - 200 )	
Operation Time Delay	3.0 Sec ( $\pm$ 0.5 Sec )	
	Reset time : 0.5 Sec or less	
Contact Output Rating	<ul style="list-style-type: none"> <li>· 5A ( resistive ) 2A ( inductive ) 30V DC</li> <li>· 5A ( resistive ) 2A ( inductive ) 125V AC</li> <li>· 3A ( resistive ) 1A ( inductive ) 250V AC</li> </ul>	
REMOTE SIGNAL	4~20mA Current loop 0 ~ 500 M $\Omega$ to 4~20mA ( Apply only to ISAH6600M-1/2 )	
Operating Temperature Range	- 20 $^{\circ}$ C ~ + 55 $^{\circ}$ C	
Storage Temperature Range	- 40 $^{\circ}$ C ~ + 80 $^{\circ}$ C	
Dielectric Strength	<ul style="list-style-type: none"> <li>· 2.5 KV / 1 min between T,B and enclosure</li> <li>· 1.5 KV / 1 min between T,B(#9,10) and T,B(#6,8)</li> </ul>	