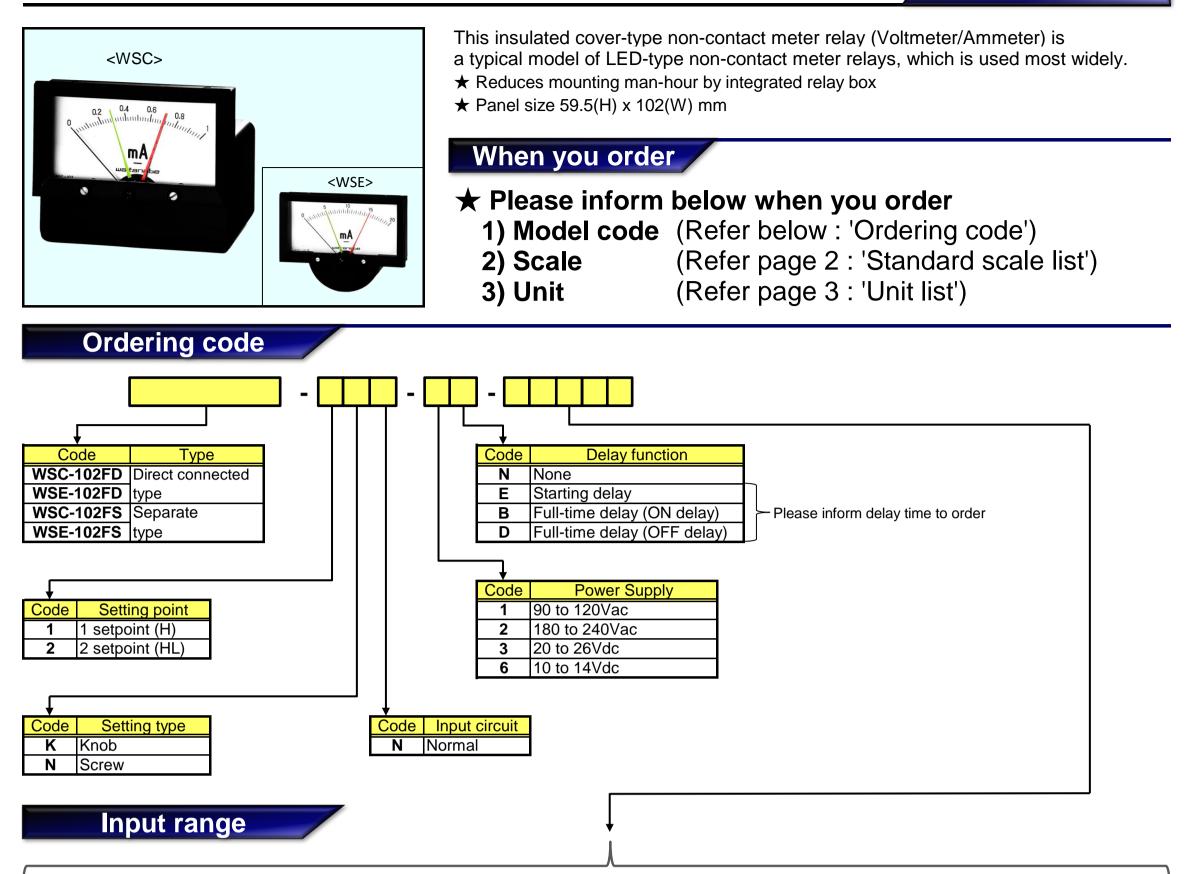
Insulated cover-type Non-contact Meter Relay wsc/wse-102FD/FS



1) Input range for WSC-102FD/FS (All up type)

*Refer page 2 for WSE-102FD/FS (Separate type)

0 to 10mV11VDANone0 to 30mV13VDANone0 to 50mV15VDNNone0 to 60mV16VDNNone0 to 100mV21VDNNone0 to 200mV22VDNNone0 to 300mV23VDNNone0 to 500mV25VDNNone0 to 500mV25VDNNone0 to 51V31VDNNone0 to 5V35VDNNone0 to 5V35VDNNone0 to 10V41VDNNone0 to 15V4FVDNNone0 to 20V42VDNNone0 to 30V43VDNNone0 to 50V45VDNNone0 to 50V45VDNNone0 to 50V45VDNNone0 to 50V51VDNNone0 to 50V51VDNNone0 to 100V51VDNNone0 to 100V51VDNNone0 to 200V52VDNNone0 to 300V53VDNNone0 to 200V52VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 50V59VDNNone0 to 50V59VDNNone <t< th=""><th>Input Range</th><th colspan="3">DC AC</th><th>C</th></t<>	Input Range	DC AC			C
0 to 30mV13VDANone0 to 50mV15VDNNone0 to 60mV16VDNNone0 to 100mV21VDNNone0 to 200mV22VDNNone0 to 300mV23VDNNone0 to 500mV25VDNNone0 to 500mV33VDNNone0 to 5V35VDNNone0 to 10V41VDNNone0 to 5V35VDNNone0 to 10V41VDNNone0 to 5V35VDNNone0 to 10V41VDNNone0 to 5V35VDNNone0 to 10V44VDNNone0 to 50V45VDNNone0 to 50V45VDNNone0 to 50V45VDNNone0 to 50V51VDNNone0 to 50V51VDNNone0 to 100V51VDNNone0 to 100V51VDNNone0 to 200V52VDNNone0 to 200V52VDNNone0 to 500V55VDNNone0 to 50V59VDANone0 to 50V59VDNNone0 to 50V59VDNNone0 to 50V59VDNNone0 to 50V99VDANone0 to 10V to less than 100mV99VDA </th <th>(Voltage)</th> <th>Range code</th> <th>Accessories</th> <th>Range code</th> <th>Accessories</th>	(Voltage)	Range code	Accessories	Range code	Accessories
0 to 50mV15VDNNone0 to 60mV16VDNNone0 to 100mV21VDNNone0 to 200mV22VDNNone0 to 300mV23VDNNone0 to 500mV25VDNNone0 to 500mV25VDNNone0 to 5V33VDNNone0 to 5V35VDNNone0 to 10V41VDNNone0 to 5V35VDNNone0 to 15V4FVDNNone0 to 15V4FVDNNone0 to 20V42VDNNone0 to 30V43VDNNone0 to 50V45VDNNone0 to 50V45VDNNone0 to 10V51VDNNone0 to 10V51VDNNone0 to 50V52VDNNone0 to 5	0 to 10mV	11VDA	None	/	/
0 to 60mV16VDNNone0 to 100mV21VDNNone0 to 200mV22VDNNone0 to 300mV23VDNNone0 to 500mV25VDNNone0 to 500mV25VDNNone0 to 5V33VDNNone0 to 5V35VDNNone0 to 10V41VDNNone0 to 15V4FVDNNone0 to 15V4FVDNNone0 to 20V42VDNNone0 to 30V43VDNNone0 to 50V45VDNNone0 to 50V45VDNNone0 to 75V4WVDNNone0 to 100V51VDNNone0 to 100V51VDNNone0 to 50V52VDNNone0 to 50V59VDNNone0 to	0 to 30mV	13VDA	None	/	
0 to 100mV21VDNNone0 to 200mV22VDNNone0 to 300mV23VDNNone0 to 500mV25VDNNone0 to 1V31VDNNone0 to 3V33VDNNone0 to 5V35VDNNone0 to 10V41VDNNone4FEANNone0 to 15V4FVDNNone4FEANNone0 to 20V42VDNNone43EANNone0 to 50V45VDNNone45EANNone0 to 50V45VDNNone45EANNone0 to 100V51VDNNone0 to 150V51VDNNone0 to 150V55VDNNone0 to 100V51VDNNone0 to 100V51VDNNone0 to 200V52VDNNone0 to 200V52VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 500V59VDNNone0 to 50V59VDNNone0 to 750V99VDANone10mV to less than 100mV99VDANone10mV to less than 500v99VDANone99EANNone	0 to 50mV	15VDN	None		
0 to 200mV22VDNNone0 to 300mV23VDNNone0 to 500mV25VDNNone0 to 1V31VDNNone0 to 3V33VDNNone0 to 5V35VDNNone0 to 5V35VDNNone0 to 10V41VDNNone0 to 15V4FVDNNone0 to 20V42VDNNone0 to 30V43VDNNone45EANNone0 to 50V45VDNNone45EANNone0 to 50V45VDNNone0 to 50V45VDNNone0 to 75V4WVDNNone0 to 100V51VDNNone0 to 150V5FVDNNone0 to 200V52VDNNone0 to 150V5FVDNNone0 to 200V52VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 50V59VDNNone0 to 750V59VDNNone0 to 750V2222ANone1 to 5V2222ANone10mV to less than 100mV99VDANone99VDNNone99EANNone	0 to 60mV	16VDN	None] /	
0 to 300mV23VDNNone0 to 500mV25VDNNone0 to 1V31VDNNone0 to 3V33VDNNone0 to 5V35VDNNone0 to 10V41VDNNone4 FEANNone0 to 15V4FVDNNone4 FEANNone0 to 20V42VDNNone4 textNone0 to 30V43VDNNone4 textNone0 to 50V45VDNNone0 to 50V45VDNNone0 to 50V45VDNNone0 to 50V45VDNNone0 to 75V4WVDNNone0 to 100V51VDNNone0 to 100V51VDNNone0 to 200V52VDNNone0 to 200V52VDNNone0 to 300V53VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 500V52VDNNone0 to 500V52VDNNone0 to 500V52VDNNone0 to 50V59VDNNone0 to 5V2222ANone1 to 5V2222ANone10mV to less than 100mV99VDANone99VDNNone99EANNone	0 to 100mV	21VDN	None		
0 to 500mV25VDNNone0 to 1V31VDNNone0 to 3V33VDNNone0 to 5V35VDNNone0 to 10V41VDNNone0 to 10V41VDNNone0 to 15V4FVDNNone0 to 20V42VDNNone0 to 30V43VDNNone0 to 50V45VDNNone0 to 50V45VDNNone0 to 50V45VDNNone0 to 50V45VDNNone0 to 50V51VDNNone0 to 50V51VDNNone0 to 100V51VDNNone0 to 100V51VDNNone0 to 200V52VDNNone0 to 300V53VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 500V5222ANone1 to 5V2222NNone1 to 5V2222NNone10mV to less than 100mV99VDANone99VDNNone99EANNone99EANNone	0 to 200mV	22VDN	None		
0 to 1V31VDNNone0 to 3V33VDNNone0 to 5V35VDNNone0 to 10V41VDNNone0 to 15V4FVDNNone0 to 20V42VDNNone0 to 20V42VDNNone0 to 30V43VDNNone0 to 50V45VDNNone0 to 50V45VDNNone0 to 50V45VDNNone0 to 50V45VDNNone0 to 50V45VDNNone0 to 50V51VDNNone0 to 100V51VDNNone0 to 150V5FVDNNone0 to 150V5FVDNNone0 to 200V52VDNNone0 to 300V53VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 500V5222ANone1 to 5V2222ANone1 to 5V2222NNone1 to 5V2222NNone10mV to less than 100mV99VDANone99VDNNone99EANNone	0 to 300mV	23VDN	None		
0 to 3V33VDNNone0 to 5V35VDNNone0 to 10V41VDNNone0 to 15V4FVDNNone0 to 15V4FVDNNone0 to 20V42VDNNone0 to 30V43VDNNone43EANNone0 to 50V45VDNNone0 to 50V45VDNNone0 to 50V45VDNNone0 to 75V4WVDNNone0 to 100V51VDNNone0 to 150V5FVDNNone0 to 200V52VDNNone0 to 300V53VDNNone0 to 300V53VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 500V55VDNNone0 to 500V5222ANone1 to 5V2222ANone1 to 5V2222NNone10mV to less than 100mV99VDANone99VDNNone99EANNone99EANNone	0 to 500mV	25VDN	None] /	
0 to 5V35VDNNone/0 to 10V41VDNNone41EANNone0 to 15V4FVDNNone4FEANNone0 to 20V42VDNNone42EANNone0 to 30V43VDNNone43EANNone0 to 50V45VDNNone45EANNone0 to 50V45VDNNone44EANNone0 to 75V4WVDNNone4WEANNone0 to 100V51VDNNone51EANNone0 to 100V51VDNNone5FEANNone0 to 100V55VDNNone52EANNone0 to 200V52VDNNone53EANNone0 to 300V53VDNNone53EANNone0 to 500V55VDNNone55EANNone0 to 500V52VDNNone55EANNone0 to 500V52VDNNone5000000000000000000000000000000000000	0 to 1V	31VDN	None] /	
0 to 10V41VDNNone41EANNone0 to 15V4FVDNNone4FEANNone0 to 20V42VDNNone42EANNone0 to 30V43VDNNone43EANNone0 to 50V45VDNNone45EANNone0 to 50V45VDNNone44EANNone0 to 75V4WVDNNone4WEANNone0 to 100V51VDNNone51EANNone0 to 100V51VDNNone5FEANNone0 to 100V55VDNNone52EANNone0 to 200V52VDNNone53EANNone0 to 300V53VDNNone53EANNone0 to 500V55VDNNone55EANNone0 to 750V5WVM2M-2 (Multiplier)5WEB2M-2 (Multiplier)1 to 5V2222NNone0100V to less than 50mV99VDA00mV to less than 100mV99VDANone99EANNone			None] /	/
0 to 15V4FVDNNone4FEANNone0 to 20V42VDNNone42EANNone0 to 30V43VDNNone43EANNone0 to 50V45VDNNone45EANNone0 to 75V4WVDNNone44EANNone0 to 75V4WVDNNone51EANNone0 to 100V51VDNNone51EANNone0 to 150V5FVDNNone5FEANNone0 to 200V52VDNNone52EANNone0 to 300V53VDNNone53EANNone0 to 500V55VDNNone55EANNone0 to 750V5WVM2M-2 (Multiplier)5WEB2M-2 (Multiplier)1 to 5V2222NNone0ther than above0ther than above10mV to less than 100mV99VDANone99EANNone				/	
0 to 20V42VDNNone42EANNone0 to 30V43VDNNone43EANNone0 to 50V45VDNNone45EANNone0 to 75V4WVDNNone4WEANNone0 to 100V51VDNNone51EANNone0 to 150V5FVDNNone5FEANNone0 to 150V5FVDNNone5FEANNone0 to 200V52VDNNone52EANNone0 to 300V53VDNNone53EANNone0 to 500V55VDNNone55EANNone0 to 500V55VDNNone55EANNone0 to 500V52VZNNone52EANNone0 to 500V55VDNNone55EANNone0 to 500V52VDNNone500V600V0 to 750V5WVM2M-2 (Multiplier)5WEB2M-2 (Multiplier)1 to 5V2222NNone0000000000000000000000000000000000000					None
0 to 30V43VDNNone43EANNone0 to 50V45VDNNone45EANNone0 to 75V4WVDNNone4WEANNone0 to 100V51VDNNone51EANNone0 to 100V5FVDNNone5FEANNone0 to 150V5FVDNNone5FEANNone0 to 200V52VDNNone52EANNone0 to 300V53VDNNone53EANNone0 to 500V55VDNNone55EANNone0 to 750V5WVM2M-2 (Multiplier)5WEB2M-2 (Multiplier)1 to 5V2222ANone11000000000000000000000000000000000000					None
0 to 50V45VDNNone45EANNone0 to 75V4WVDNNone4WEANNone0 to 100V51VDNNone51EANNone0 to 150V5FVDNNone5FEANNone0 to 200V52VDNNone52EANNone0 to 300V53VDNNone53EANNone0 to 500V55VDNNone55EANNone0 to 750V5WVM2M-2 (Multiplier)5WEB2M-2 (Multiplier)1 to 5V222ANoneMone11 to 5V2222NNone99VDANone0 to less than 50mV99VDANone99EANNone			None		None
0 to 75V4WVDNNone4WEANNone0 to 100V51VDNNone51EANNone0 to 100V51VDNNone51EANNone0 to 150V5FVDNNone5FEANNone0 to 200V52VDNNone52EANNone0 to 300V53VDNNone53EANNone0 to 500V55VDNNone55EANNone0 to 750V5WVM2M-2 (Multiplier)5WEB2M-2 (Multiplier)1 to 5V2222NNone4000000000000000000000000000000000000					
0 to 100V51VDNNone51EANNone0 to 150V5FVDNNone5FEANNone0 to 200V52VDNNone52EANNone0 to 300V53VDNNone53EANNone0 to 500V55VDNNone55EANNone0 to 750V5WVM2M-2 (Multiplier)5WEB2M-2 (Multiplier)1 to 5V (1MΩ)2222ANone1 to 5V2222NNone0 ther than above99VDANone10mV to less than 50mV99VDANone99VDNNone99EANNone		-		-	None
0 to 150V5FVDNNone5FEANNone0 to 200V52VDNNone52EANNone0 to 300V53VDNNone53EANNone0 to 500V55VDNNone55EANNone0 to 750V5WVM2M-2 (Multiplier)5WEB2M-2 (Multiplier)1 to 5V (1MΩ)2222ANoneM-2 (Multiplier)1 to 5V222NNoneMone0 ther than above99VDANoneMone10mV to less than 50mV99VDANone99VDA100mV to less than 100mV99VDNNone99EAN10V to less than 500V99VDNNone99EAN					None
0 to 200V52VDNNone52EANNone0 to 300V53VDNNone53EANNone0 to 500V55VDNNone55EANNone0 to 750V5WVM2M-2 (Multiplier)5WEB2M-2 (Multiplier)1 to 5V (1MΩ)2222ANoneM-2 (Multiplier)1 to 5V2222NNoneM-2 (Multiplier)0 ther than above99VDANoneMone10mV to less than 50mV99VDANoneMone100mV to less than 100mV99VDNNone99EAN10V to less than 500V99VDNNoneMone		-		-	
0 to 300V53VDNNone53EANNone0 to 500V55VDNNone55EANNone0 to 750V5WVM2M-2 (Multiplier)5WEB2M-2 (Multiplier)1 to 5V (1MΩ)2222ANoneImage: Comparison of the second s					
0 to 500V55VDNNone55EANNone0 to 750V5WVM2M-2 (Multiplier)5WEB2M-2 (Multiplier)1 to 5V (1MΩ)2222ANoneImage: Constraint of the second secon					
0 to 750V5WVM2M-2 (Multiplier)5WEB2M-2 (Multiplier)1 to 5V (1MΩ)2222ANone1000000000000000000000000000000000000					
1 to 5V (1MΩ)2222ANone1 to 5V2222NNone1 to 5V2222NNoneOther than above99VDANone10mV to less than 50mV99VDANone50mV to less than 100mV99VDNNone100mV to less than 10V99VDNNone10V to less than 500V99VDNNone					
1 to 5V2222NNoneOther than above0ther than above10mV to less than 50mV99VDANone50mV to less than 100mV99VDNNone100mV to less than 10V99VDNNone10V to less than 500V99VDNNone				5WEB2	M-2 (Multiplier)
Other than above 99VDA None 10mV to less than 50mV 99VDA None 50mV to less than 100mV 99VDN None 100mV to less than 500V 99VDN None 10V to less than 500V 99EAN None					
10mV to less than 50mV99VDANone50mV to less than 100mV99VDNNone100mV to less than 10V99VDNNone10V to less than 500V99EANNone		2222N	INONE		
50mV to less than 100mV 100mV to less than 10V 99VDN 10V to less than 500V 99EAN			None		
100mV to less than 10V 99VDN None 10V to less than 500V 99EAN None		99VDA	INONE		
10V to less than 500V 99EAN None			Nono		
		99701	none		Nono
	500V to less than 500V	99VM2	M O (Multiplier)		None M-2 (Multiplier)

Input Range	C	C	AC		
(Current)	Range code	Accessories	Range code	Accessories	
0 to 10µA	11ADA	None			
0 to 50µA	15ADA	None			
0 to 100µA	21ADN	None	21CAN	None	
0 to 200µA	22ADN	None	22CAN	None	
0 to 500µA	25ADN	None	25CAN	None	
0 to 1mA	31ADN	None	31CAN	None	
0 to 3mA	33ADN	None	33CAN	None	
0 to 5mA	35ADN	None	35CAN	None	
0 to 10mA	41ADN	None	41CAN	None	
0 to 20mA	42ADN	None	42CAN	None	
0 to 30mA	43ADN	None	43CAN	None	
0 to 50mA	45ADN	None	45CTN	None (CT built-in)	
0 to 100mA	51ADN	None	51CTN	None (CT built-in)	
0 to 300mA	53ADN	None	53CTN	None (CT built-in)	
0 to 500mA	55ADN	None	55CTN	None (CT built-in)	
0 to 1A	61ADN	None	61CTN	None (CT built-in)	
0 to 2A	62ADN	None	62CTN	None (CT built-in)	
0 to 3A	63ADN	None	63CTN	None (CT built-in)	
0 to 5A	65ADN	None	65CTN	None (CT built-in)	
0 to 10A	71AS2	WS-2 (Shunt)	71CT2	WCT-2CR (CT)	
0 to 15A	7FAS2	WS-2 (Shunt)	7FCT2	WCT-2CR (CT)	
0 to 20A	72AS2	WS-2 (Shunt)	72CT2	WCT-2CR (CT)	
0 to 30A	73AS2	WS-2 (Shunt)	73CT2	WCT-2CR (CT)	
0 to 50A	75AS2	WS-2 (Shunt)	75CT2	WCT-2CR (CT)	
0 to 75A	7WAS2	WS-2 (Shunt)	7WCT2	WCT-2CR (CT)	
0 to 100A	81AS2	WS-2 (Shunt)	81CT2	WCT-2CR (CT)	
0 to 150A	8FAS2	WS-2 (Shunt)	8FCT2	WCT-2CR (CT)	
0 to 200A	82AS2	WS-2 (Shunt)	82CT2	WCT-2CR (CT)	
0 to 250A			8RCT2	WCT-2CR (CT)	
0 to 300A	83AS3	WS-300 (Shunt)		WCT-2CR (CT)	
0 to 400A	05405		84CT5	WCT-2CR (CT)	
0 to 500A	85AS5	WS-500 (Shunt)	85CT5	WCT-2MRN (CT)	
0 to 600A			86CT5	WCT-2MRN (CT)	
0 to 750A			8WCT5	WCT-2CR (CT)	
4 to 20mA	1111N	None			
Other than above		I • •			
10µA to less than 100µA	99ADA	None			
100µA to less than 50mA	99ADN	None	99CAN	None	
50mA to less than 5A			99CTN	None	
5A to less than 150A	99AS2	WS-2 (Shunt)	99CT2	WCT-2CR (CT)	

 \star Regarding the range code of extended scale and zero center scale

Scale	Range code	Remarks
Double extended scale	00000	Only for AC current input
Triple extended scale	OOOWO	
Zero center	000Z0	Only for DC input

*Example : Input range code is "41VZN", if input range is +/-10V (zero center)

Watanabe Electric Industry Co. Ltd.

2) Input range for WSE-102FD/FS (Separate type)

*Refer page 1 for WSC-102FD/FS (All up type)

Input Range	D	C	A	С	Input Range	D	C	A	C
(Voltage)	Range code	Accessories	Range code	Accessories	(Current)	Range code	Accessories	Range code	Accessories
0 to 50mV	15VDN	None	/		0 to 100µA	21ADN	None	21CAN	None
0 to 60mV	16VDN	None			0 to 200µA	22ADN	None	22CAN	None
0 to 100mV	21VDN	None			0 to 500µA	25ADN	None	25CAN	None
0 to 200mV	22VDN	None			0 to 1mA	31ADN	None	31CAN	None
0 to 300mV	23VDN	None			0 to 3mA	33ADN	None	33CAN	None
0 to 500mV	25VDN	None			0 to 5mA	35ADN	None	35CAN	None
0 to 1V	31VDN	None			0 to 10mA	41ADN	None	41CAN	None
0 to 3V	33VDN	None			0 to 20mA	42ADN	None	42CAN	None
0 to 5V	35VDN	None	V		0 to 30mA	43ADN	None	43CAN	None
0 to 10V	41VDN	None		None	0 to 50mA	45ADN	None		
0 to 15V	4FVDN	None		None	0 to 100mA	51ADN	None] /	
0 to 20V	42VDN	None		None	0 to 300mA	53ADN	None		
0 to 30V	43VDN	None		None	0 to 500mA	55ADN	None		
0 to 50V	45VDN	None		None	0 to 1A	61ADN	None		
0 to 75V	4WVDN	None		None	0 to 2A	62ADN	None		
0 to 100V	51VDN		-	None	0 to 3A	63AS2	WS-2 (Shunt)		
0 to 150V	5FVDN			None	0 to 5A	65AS2	WS-2 (Shunt)		
0 to 200V	52VDN			None	0 to 10A	71AS2	WS-2 (Shunt)		WCT-1 (CT)
0 to 300V	53VDN			None	0 to 15A	7FAS2	WS-2 (Shunt)		WCT-1 (CT)
0 to 500V	55VDN	M-2 (Multiplier)		M-2 (Multiplier)	0 to 20A	72AS2	WS-2 (Shunt)		WCT-1 (CT)
0 to 750V	5WVM2	M-2 (Multiplier)	5WEB2	M-2 (Multiplier)	0 to 30A	73AS2	WS-2 (Shunt)		WCT-1 (CT)
1 to 5V (1MΩ)	2222A	None			0 to 50A	75AS2	WS-2 (Shunt)		WCT-1 (CT)
1 to 5V	2222N	None			0 to 75A	7WAS2	WS-2 (Shunt)		WCT-1 (CT)
80 to 120V	812DN	None			0 to 100A	81AS2	WS-2 (Shunt)		WCT-1 (CT)
Other than above					0 to 150A	8FAS2	WS-2 (Shunt)	8FCT1	WCT-1 (CT)
50mV to less than 100mV					0 to 200A	82AS2	WS-2 (Shunt)	- /	
100mV to less than 10V	99VDN	None			0 to 250A	00400		- /	
10V to less than 300V	00)////0			None	0 to 300A	83AS3	WS-300 (Shunt)	- /	
300V to less than 750V	99VM2	M-2 (Multiplier)	99EB2	M-2 (Multiplier)	0 to 400A	05 4 05	14/0 500 (0)	- /	
					0 to 500A	85AS5	WS-500 (Shunt)	- /	
					0 to 600A				
					0 to 750A			-//	
					4 to 20mA	1111N	None	/	/

4 10 2011A		None	/	/			
Other than above							
100µA to less than 30mA	99ADA	None	99CAN	None			
50mA to less than 3A		none					
3A to less than 5A	00152	WS-2 (Shunt)					
5A to less than 150A	JJKJL	vv 3-2 (Shunt)	99CT1	WCT-1 (CT)			

Specifications

Input signal	DC voltage / DC current / AC voltage / AC current	
Input rating	10mV to 750Vdc	
input rating	10µA to 500Adc	
Output		
Output	Relay contact output (1 point or 2 point)	
Setting range	0 to 100% of scale	
Accuracy	±2.5%	
Dead band	±1%	
Contact capacity	Maximum : 125Vac 1A, Minimum : 10mVdc 10µA	
Relay operating time	At startup : 0.5 seconds	
	Normal operation : 0.1 seconds	
Operating temperature range	-10 to +60°C	
Effects of ambient temperature	±0.01% FS per °C	
Insulation resistance	100MΩ or more with 1000Vdc megger	
Dielectric strength	2000Vac for 1 minute	
Weight	Approx. 420 to 480g	
Power supply voltage	100Vac / 110Vac / 200Vac / 220Vac / 24Vdc / 12Vdc	
Power consumption	Approx. 2VA (100Vac), Approx. 2.5VA (200Vac), Approx. 1VA (12Vdc), Approx. 2VA (24Vdc)	
Panel size	59.5 (H) x 102(W)mm	

Standard scale list

Max Scale Value	Scale (Zero left or bottom)
1, 10, 100, 1000	0 2 4 6 8 10
1.5, 15, 150, 1500	0 5 10 15
2, 20, 200	0 5 10 15 20
3, 30, 300	0 10 20 30
4, 40, 400	0 10 20 30 40
5, 50, 500	0 10 20 30 40 50
7.5, 75, 750	0 20 40 60 75

Notes : Contact us for special scale other than the above. 1) Color scale / letter / digit / band

2) Double / Triple extended scale etc.

Max Scale Value	Scale (Zero center)
±1, ±10, ±100, ±1000	$- \frac{1}{1} + \frac{0.5}{1} + 0.$
±1.5, ±15, ±150, ±1500	$- \frac{15 10 5 0 5 10 15}{1 \mid \mid \mid \mid \mid 1 \mid \mid \mid \mid 1 \mid \mid \mid 1 \mid \mid 1 \mid \mid 1 \mid$
±2, ±20, ±200	$- \begin{bmatrix} 20 & 10 & 0 & 10 & 20 \\ 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \\ 1 & 1 &$
±3, ±30, ±300	$- \frac{3}{1} \frac{2}{1} \frac{1}{1} \frac{1}{1} \frac{1}{1} \frac{2}{1} \frac{3}{1} $
±4, ±40, ±400	$- \frac{40}{1} \\ + \frac{20}{1} \\ + \frac$
±5, ±50, ±500	$- \frac{50 \ 40 \ 20 \ 0 \ 20 \ 40 \ 50}{40 \ 100 $
±7.5, ±75, ±750	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$

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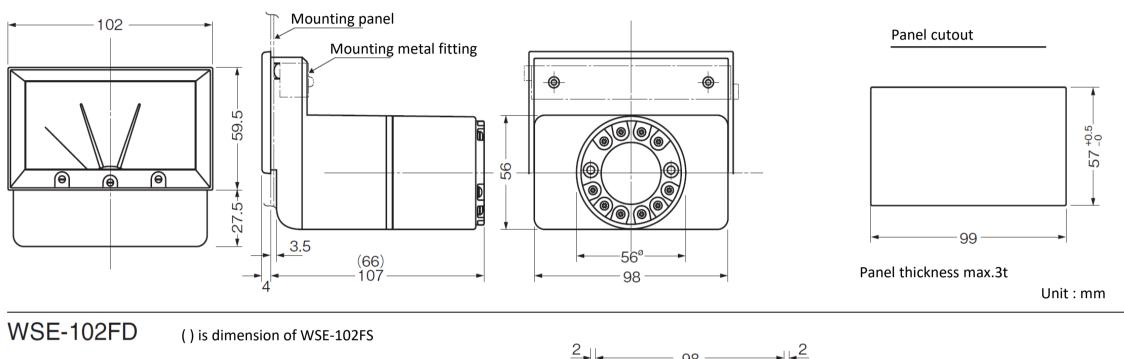
U	nit list			
mA	сс	kΩ	mm	t/h
mA	cm/min	l	mm³	μA
mA	cpm	ℓ/h	mm/min	μm
A	deg	ℓ/min	mm/s	μs
A	g	l/s	mN	VA
A	Hz	lx	m/h	W
mV	kA	MPa	m/s	W
mV	kg	MW	Ν	₩ ₩ Ω
mV	kg/cm ²	MΩ	Pa	Ω
V	kHz	m	pН	%
V	kl	m ²	ppm	°C
V V	km	m³	rpm	°F
kV	km/h	mg	S	
kV	kPa	mg/l	t	
kV	kW	ml	ton	
	Contact up for other	than the above		

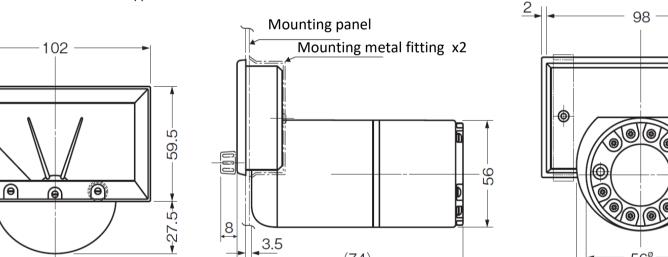
Notes : Contact us for other than the above.

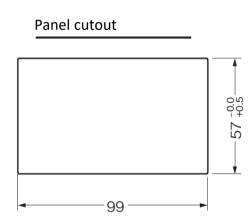
Dimensions



() is dimension of WSC-102FS







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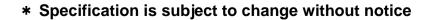


Mounting

E

1) Insert the instrument into the mounting hole from diagonally above the front of the mounting panel.

2) From the back of the mounting panel, apply the instrument mounting bracket and screw it in.



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