Expand Input Range for Use with Meter Relays (50/60 Hz, 1.0 % class)

Not CE Marked

CURRENT TRANSFORMER CT-5MRN series



■ Dimensions and connecting diagrams

D secondary terminal k 20 M5x0.8 k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(Full scale value of the Meter) terminal k 20 N=(Primary current of the CT)=(

■ Basic specifications

Model	Primary	Secondary	Rated load	Class	Max. rated voltage
CT-5MRN100	100 A	5 A	5 VA	1.0 %	1150 V
CT-5MRN120	120 A	5 A	5 VA	1.0 %	1150 V
CT-5MRN150	150 A	5 A	5 VA	1.0 %	1150 V

 Order Code:
 CT-5MRN100
 (100 A)

 CT-5MRN120
 (120 A)

 CT-5MRN150
 (150 A)

■ Dimensions table

Symbol	φΑ	В	С	D
Length	23 mm (0.91 in)	70 mm (2.76 in)	85 mm (3.35 in)	68 mm (2.68 in)
Symbol	φΕ	F	G	Н
Length	60 mm (2.36 in)	45 mm (1.77 in)	75 mm (2.95 in)	83 mm (3.27 in)

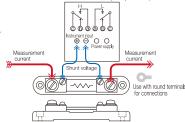
Expand Current Range for Use with the 50 mV full scale meter (50/60 Hz, 0.5 % class)

EXTERNAL SHUNT HS-1 series



■ Dimensions and connecting diagrams

95 95 0 4.5 120 140 Measurement current



example, for 120 A:30 A, 4 loops (120 A / 30 A = 4) should pass through the center hole.

• Expand current range for the Meter Relay, or a switchboard meter

Combination use with the 50 mV meter

■ Basic specifications				
Model	Rated current	Class		
HS-1-30	30 A			
HS-1-50	50 A			
HS-1-75	75 A	±0.5 % at 80 % of rated current		
HS-1-100	100 A	60 °C or less around temperature		
HS-1-150	150 A			
HS-1-200	200 A			
HS-1-300	300 A	±0.5 % at 0 A to 200 A ±1.0 % at 200 A to 240 A 60 °C or less around temperature		

The total resistance of the connection cord must be 0.1 Ω or less

Order Code:	HS-1-30	(30 A)
	HS-1-50	(50 A)
	HS-1-75	(75 A)
	HS-1-100	(100 A)
	HS-1-150	(150 A)
	HS-1-200	(200 A)
	HS-1-300	(300 A)

Note: These products are built-to-order so please confirm specifications and delivery time with your local HIOKI distributor.

- * Please note that connections' cores are not included. The total resistance of all shunt devices used should not exceed 0.1 Ω
- * If product includes an instrument number or is packaged with an instrument, use in combination with that instrument
- * Select a model such that input does not exceed 80 % of the rating. (0.5 accuracy definition requirements: 80 % or less of rated input, ambient temperature of 60 °C or less)

■ Dimensions table

Symbol	Е	F	d	D
HS-1-30	20 mm (0.79 in)	6 mm (0.24 in)	M4 mm	M5 mm
HS-1-50	20 mm (0.79 in)	8 mm (0.31 in)	M4 mm	M8 mm
HS-1-75	20 mm (0.79 in)	8 mm (0.31 in)	M4 mm	M8 mm
HS-1-100	20 mm (0.79 in)	15 mm (0.59 in)	M5 mm	M8 mm
HS-1-150	20 mm (0.79 in)	15 mm (0.59 in)	M5 mm	M8 mm
HS-1-200	25 mm (0.98 in)	15 mm (0.59 in)	M5 mm	M10 mm
HS-1-300	25 mm (0.98 in)	15 mm (0.59 in)	M5 mm	M10 mm