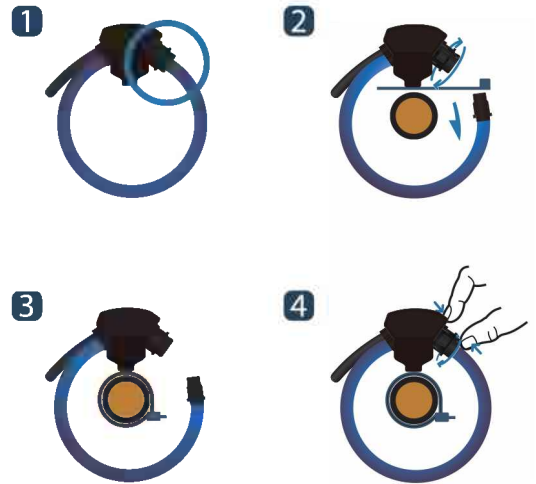


Precision Clamp on Flexible Rogowski coil CT

JRF MOI 333M Series



HOW TO USE



Clamp-on Flexible Rogowski coil Current Transducer has been designed for accurate measurement of AC current with a safe output voltage RMS. JRF MOI series is the precision current probe for Revenue-Grade Distribution transformer monitoring. With voltage integrator configuration, it can replace the existing CT directly.

APPLICATIONS

- Revenue-Grade distribution transformer monitoring
- Energy sub-meters
- Power meters
- Power quality monitoring
- Condition monitoring
- Distributed measurement systems

FEATURES

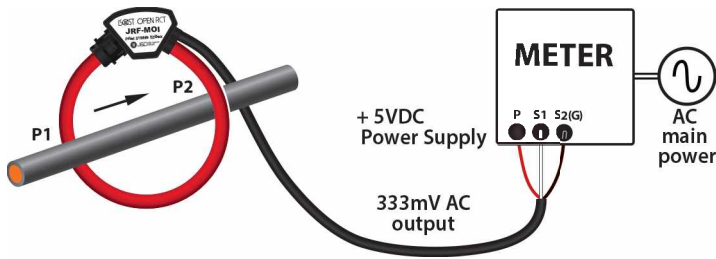
- AC current probe utility by the Rogowski principle
- Flexible and lightweight
- Easy & quick installation in uninterruptible power line
- Insulation CAT III 1000V, IV 600V
- Accuracy Class 0.5/1.0 complying with IEC61869-2
- Certificated for & CE complying with IEC 61010-1
- Optional size is available from ID 80 to 115mm.

SPECIFICATION

Model	JRF MOI 333M-80	JRF MOI 333M-115
Current Ratio	Input from 250 Amp to 6,000 Amp	
Rated Current	100, 150, 200, 250, 300, 400, 500, 600, 800, 1k, 1.2k, 1.5k, 2k, 2.4k, 2.5k, 3k, 4k, 5k, 6k	
Accuracy	<1% typical at 2% to 120% of rated current	
Output Signal	333mVAC	
Power Requirement	+ 5 VDC , 30mA Maximum	
Phase Shift	<1° at rated current	
Frequency	50/60Hz	
Linearity	±0.2%	
Conductor Position Sensitivity	±1% maximum	
Influence of External Field	±1.5% maximum	
Operating Temp.	-30°C ~ +80°C	
Insulation Category	CAT III 1000V, IV 600V	

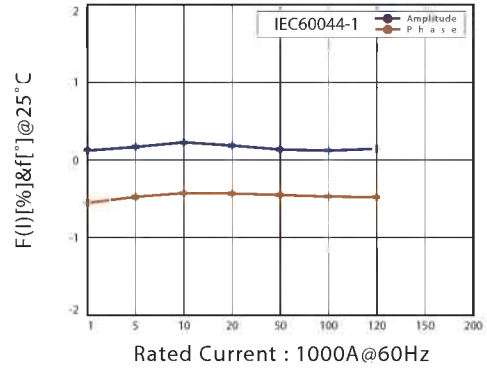


OUTDOOR POWER & INDOOR POWER LOAD

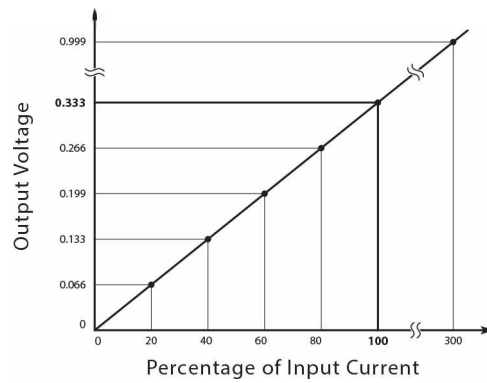


- Power source (P) : +5VDC ($\pm 5\%$), connected to S2 (Ground) (Keep (P) should be under $\pm 5\%$ of +5VDC to avoid a damage on power supply)
- Output : S1, connected to S2 (Ground)
- P : Red OUTPUT : White S2(G) : Black

LINEARITY & PHASE ANGLE ERROR GRAPH



OUTPUT VOLTAGE GRAPH



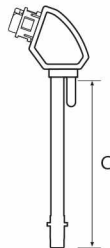
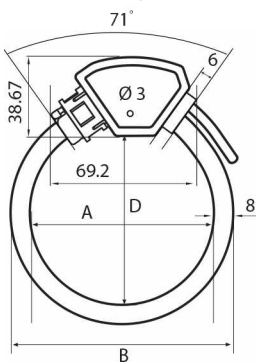
THE ROGOWSKI LOOP CIRCUMFERENCE IS 19CM



Conductor Position	Typical Error(%)
● Adjacent to the inside coil edge	< 0.5%
● Adjacent to the clip together mechanism	< 0.5%
● Central in the Rogowski loop	0.1%

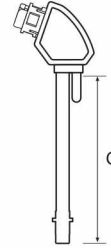
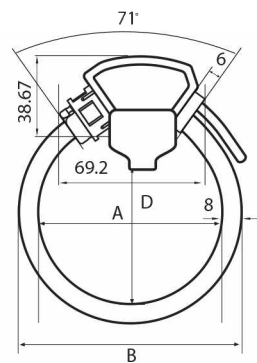
Note that with a larger conductor the variation of error with conductor position will decrease and approach the calibrated value.

DIMENSION(CHOOSE JRF-MOI-XXC IF YOU REQUIRE TIES FOR ATTACHING TO THE CONDUCTOR)



* Unit : mm

Model	A	B	C	D
JRF MOI 333M-80	80	96	285	80
JRF MOI 333M-115	115	141	385	115



* Unit : mm

Model	A	B	C	D
JRF MOI 333M-80C	80	96	285	70
JRF MOI 333M-115C	115	141	385	105