

RōCoil mV™

MilliVolt Output Flex CTs

The DENT RōCoil mV™ Flexible Current Transformers have been designed for accurate measurement of AC current with a safe, millivolt output.

KEY SPECIFICATIONS

4 Lengths	40 cm (16"), 60 cm (24"), 90 cm (36"), 180 cm (72")
4 Window Sizes	13 cm (5"), 19 cm (7"), 26 cm (10"), 52 cm (20")
4 Current Ranges*	20-5000A (16") 40-10,000A (24") 60-15,000A (36") 120-30,000A (72")
Output Signal	333 mV AC at rated current Max output 1,660 mVAC
Accuracy	< 1% typical at 2% to 500% of rated current

*Depending on meter compatibility. See ELITEpro™ and PowerScout™ specifications for details.

ELECTRICAL

All accuracies specified at 20°C (±2°C) with RōCoil mV™ centered on conductor.

Output Signal	(16") 333 mV @ 1000A	1V @ 3330A
	(24") 333 mV @ 2000A	1V @ 6660A
	(36") 333 mV @ 3000A	1V @ 10,000A
	(72") 333 mV @ 6000A	1V @ 20,000A

Max Output	1.66VAC
Power Requirement	5-24 VDC, 30 mA Maximum
Wire Color	Red = Power (+) Black = Power (-) White = Signal (+) Green = Signal (-)
Phasing	Arrow Points Towards Load
Phase Shift	< 1° at rated current
Frequency Range	45-600 Hz
Linearity	± 0.2%
Conductor Position Sensitivity	± 2% maximum
Influence of External Field	± 1.5% maximum
Temperature Sensitivity	0.07% per °C

MECHANICAL

Coil Material	Blue thermoplastic rubber, flame retardant UL 94 V-0 rated
Coupling Materials	Black thermoplastic rubber + Polypropylene UL 94 V-0 rated
Shielding	85% transducer, 100% output lead
Working Temp	-20 °C to +60 °C (-4° to +140 °F)

SAFETY

Working Voltage	600 Vrms maximum
Dielectric Strength	7400 VAC around coil 600 VAC rated leads
Overvoltage Category	Installation Category III (IEC 1010-1)

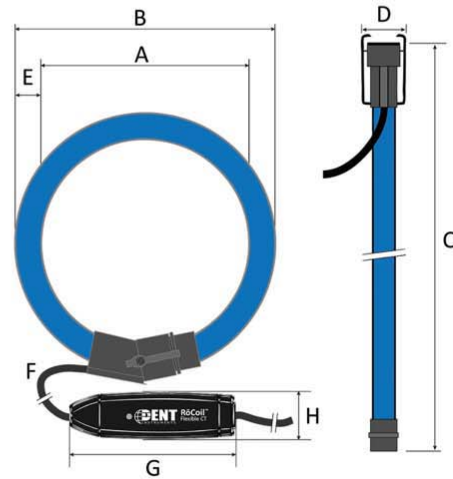
RōCoil mV™ PART NUMBERS*

16" RōCoil mV™	CT-RMV-16-1000	333 mV @ 1000A
24" RōCoil mV™	CT-RMV-24-2000	333 mV @ 2000A
36" RōCoil mV™	CT-RMV-36-3000	333 mV @ 3000A
72" RōCoil mV™	CT-RMV-72-6000	333 mV @ 6000A

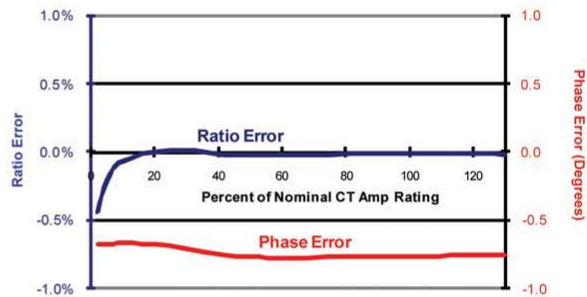
*Other Sizes, currents, and outputs are available. Please contact the factory for details.

AVAILABLE OPTIONS

*PX-ADPT	Power Cable from Line-Powered ELITEpro™ for powering up to 4 CTs
*PX-US-XFMR	Wall Transformer plus Power Cable capable of powering up to 4 CTs (US/North America)
*PX-INT-XFMR	Wall Transformer plus Power Cable capable of powering up to 4 CTs (International)



DIMENSIONS	RMV-16	RMV-24	RMV-36	RMV-72
A Window Size	13 cm (5")	19 cm (7")	26 cm (10")	52 cm (20")
B Transformer Coil O.D.	15 cm (6")	21 cm (8")	29 cm (11")	53 cm (21")
C Transformer Length	40 cm (16")	60 cm (24")	90 cm (36")	180 cm (72")
D Locking Connector O.D.		3.6 cm (1.4")		
E Transformer Coil Diameter		1.5 cm (0.6")		
F Wire Lead Total Length		2 M (80")		
G Length of mV Module		9.5 cm (3.8")		
H Width of mV Module		3.2 cm (1.3")		



CONTACT US

For more information, please contact:



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