

100/200/400A REVENUE GRADE TOROIDAL SOLID CORE CURRENT TRANSFORMERS



DENT's Revenue Grade toroidal current transformers are designed for applications where an AC current signal must be transformed into a millivolt signal appropriate for micro-processor based circuits.

This series of CTs is designed specifically for integration into products which require exceptionally accurate signal transformation with low phase shift while exposed to harsh environmental operating conditions.



KEY SPECIFICATIONS

Window Size	RGTM-15-0100: 0.6" (15 mm) RGTM-20-0200: 0.8" (20 mm) RGTM-35-0400: 1.4" (35 mm)
Current Range*	100A Model: 1 - 100A AC 200A Model: 1 - 200A AC 400A Model: 1 - 400A AC
Output	333.3 mV at rated current
Ratio Error	+/-0.2% at rated current (typical)
Phase Error	<0.2°
Accuracy Class¹	IEC 61869-2 Class 0.2 IEEE C57.13 Class 0.3

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

ELECTRICAL

Output	333.3 mV at rated current
Wire Polarity	White = Hi, positive (+) Black = Low, negative (-)
Frequency Range	50 to 400 Hz

MECHANICAL

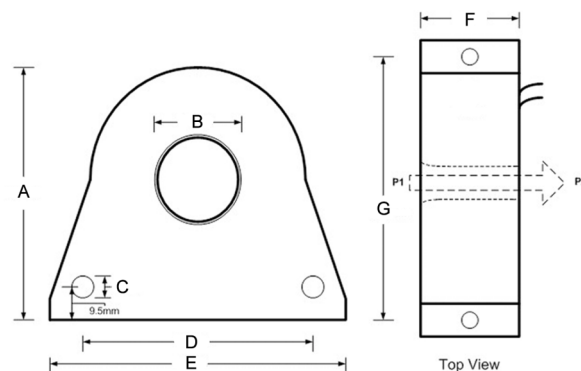
Case Material	PBT resin, UL 94V-0, epoxy encapsulated
Leads [if equipped]	3 M (9.84'), twisted pair, 22 AWG, 600V rated
Operating Temperature	-40°C to 85°C (-40°F to 185°F)

SAFETY

Working Voltage	600 VAC, Category III
Dielectric Strength	5400 VAC
Certification	Conforms to: UL 2808 CAN/UL 2808



Outline Drawing



DENT P/N	DIMENSIONS (mm)						
	A	B	C	D	E	F	G
CT-RGTM-15-0100	45	15	4	40	58	23	48
CT-RGTM-20-0200	58	20	5.5	50	68	22	58
CT-RGTM-35-0400	80	35	6	75	98	30	85.5

PART NUMBERS²

CT-RGTM-15-0100-U	100A Revenue Grade Solid Core
CT-RGTM-20-0200-U	200A Revenue Grade Solid Core
CT-RGTM-35-0400-U	400A Revenue Grade Solid Core

CONTACT US

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¹ When CT phase shift is set as follows: 100A = 0.02°, 200A = 0.12°, 400A = 0.0°

² U = Unterminated (with ferrules), P = Pins