

Instrument Data Sheet

General	1	Product	Tilt Level Probe (Intrinsically Safe)
	2	Model Number	CT-200SG
	3	Manufacturer	Conveyor Components Company
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Environment	5	Certified Ambient Temperature	-25 to 40 °C [-13 to 104 °F]
	6	Operational Temperature	-37 to 90 °C [-36 to 194 °F]
	7	Enclosure Material	Stainless steel with epoxy potting compound
	8	Enclosure Rating	Intrinsically safe for NEMA Type 7: Class I, (Div. 1 & 2) Groups A, B, C & D; and Type 9: Class II, (Div. 1 & 2) Groups E, F & G when properly installed with a CT-105/106/107 series (UL 7 th ed.) or 103/104 series (UL 5 th ed.) control unit only.
	9	Mounting	Hung by chain, cable, or bar with a final chain link or S-hook
Switch	10	Switch Type	SPST x 1 (Normally closed when vertical)
	11	Electrical Connection	16-3 SO type electrical cable. (using non-CCC supplied electrical cable voids an individual probes UL certified status)
	12	Electrical Rating	1.7A @ 120V AC; 1.5 mA @ 5V DC
	13	Electrical Action	Non-latching
	14	Cable Length	25' [7.5 m] is supplied attached to probe; longer lengths are available on request; <i>see notes below</i>
	15	Indicating Lamp	None
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Actuator	18	Type	6" [152 mm] compact tilt probe
	19	Mechanism	Epoxy encapsulated mercury switch
	20	Closed Circuit State	Vertical
	21	Open Circuit State	Nominal 15° (10°– 30 °) from vertical (omnidirectional)
	22	Action	Non-latching
	23	Mercury Content	1.16g [0.04 oz] Hg
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Options	26	Paddle	3" x 4" [101 mm x 72 mm] paddle (option P) welded to the bottom of the probe; cannot be combined with option C
	27	Threaded Coupling	1 ¼" NPT coupling (option C) cannot be combined with option P
	28		¾" NPT coupling (option C-3/4); cannot be combined with option P
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	30		
Accessories	31	Additional Cable	16-3 SO type cable (CT-300G) for intrinsically safe units; <i>see notes below</i>
	32	Mounting Bracket	Bale loop (CT-400) for hanging (probe from) 1 ¼" NPT pipe
	33	S-Hook	S-hook (CT-500) for attaching probe to CT-400, chain, etc.
	34	Attachments	Stainless steel float ball (CT-600S) for liquid / low density material (requires option C-3/4)
	35		Adapter (CT-700) for model CR paddles (requires option C-3/4)
	36		Four vane stainless steel paddle (CR-61) (requires CT-700)
	37		
Certifications	38	UL Certification File	NRDZ.E102270
	39	cUL Certification File	NRDZ7.E102270
Manufacturer	40		Conveyor Components Company Division of Material Control, Inc. 130 Seltzer Road, PO Box 167 Crosswell, MI 48422 USA (810) 679-4211 info@conveyorcomponents.com www.conveyorcomponents.com
Notes: <ol style="list-style-type: none"> Maximum 5000' [1524 m] cable allowed between probe and CT-105/106/107 series controller. (UL 7th ed.) Maximum 175' [53 m] cable allowed between probe and CT-103/104 series controller (UL 5th ed.). Multiple probes may be installed with a single controller provided the sum total length of cable does not exceed the maximum above. Using non-CCC supplied electrical cable or controller voids an individual product's UL certified status. 			