

### Instrument Data Sheet

General	1	Product	Heavy Duty Tilt Level Probe (Intrinsically Safe)
	2	Model Number	CT-201SG
	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 <sup>th</sup> ed.) or 103/104 series (UL 5 <sup>th</sup> 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	9" [229 mm] heavy duty 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
	24		
	25		
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 (when used with CT-105/106/107 control unit only)
Manufacturer	40		Conveyor Components Company Division of Material Control, Inc. 130 Seltzer Road, PO Box 167 Croswell, MI 48422 USA (810) 679-4211 info@conveyorcomponents.com www.conveyorcomponents.com
Notes: 1. Maximum 5000' [1524 m] cable allowed between probe and CT-105/106/107 series controller. (UL 7 <sup>th</sup> ed.) 2. Maximum 175' [53 m] cable allowed between probe and CT-103/104 series controller (UL 5 <sup>th</sup> ed.). 3. Multiple probes may be installed with a single controller provided the sum total length of cable does not exceed the maximum above. 4. Using non-CCC supplied electrical cable or controller voids an individual product's UL certified status.			