


## Instrument Data Sheet

General	1	Product	Stainless Steel Tilt Level Probe (Intrinsically Safe)
	2	Model Number	CT-200SG
	3	Manufacturer	Conveyor Components Company
	4		
Environment	5	Ambient Temperature	-25 to 40 °C [-13 to 104 °F]
	6	Enclosure Material	Stainless steel with epoxy potting compound
	7	Enclosure Rating	Intrinsically safe for 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 installed with CT-105/106/107 series controllers.
	8	Mounting	Hung by chain, cable, or bar with a final chain link or S-hook
	9		
Electrical	10	Switch Type	SPST x 1 (Normally closed when vertical)
	11	Contact Rating	1.5 A @ 120 VAC; 0.75 A @ 220 VAC; 1.5 A @ 5 VDC; 1 A @ 12 VDC; 0.5 A @ 24 VDC
	12	Electrical Action	Non-latching
	13	Probe Cable <sup>1</sup>	16-3 SO type electrical cable.
	14	Cable Length	25' [7.5 m] standard; longer lengths are available on request
	15	Max Probe Cable Run <sup>2</sup>	5000' [1524 m]
	16	Indicating Lamp	None
	17		
Mechanical	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
	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	¾" NPT coupling (option C); cannot be combined with option P
	28		
	29		
	30		
Accessories	31	Additional Cable	CT-300G: 16-3 SO type cable for intrinsically safe units
	32	Mounting Bracket	CT-400S: stainless steel bale loop for hanging from 1 ¼" NPT pipe
	33	S-Hook	CT-500S: stainless steel S-hook for attaching to CT-400, chain, etc.
	34	Attachments	CT-600S: stainless steel float ball for liquid / low density material (requires option C)
	35		CT-700: stainless steel adapter for model CR paddles (requires option C)
	36		CR-61: four vane stainless steel paddle (requires CT-700)
	37		
Certifications	38	c UL US Certification File	E102270 (when used with CT-105/106/107 control unit only)
	39		
Manufacturer	40		
<p>Notes: 1. Intrinsically safe certifications apply when installed with controllers and cable supplied by Conveyor Components Company according to instructions I0020006.</p> <p>2. Multiple probes may be installed with a single controller provided the total length of cable does not exceed 5000' [1524 m]</p>			