



REVISIONS							
ZONE	LTR.	DESCRIPTION	DATE	ECN	BY	CKD	APVD
-	-	INITIAL RELEASE	6/08/09	-	-	-	-
-	B	ADDED 50K	2/23/10	-	-	-	-
-	C	REDRAWN FOR LABELING CONSISTENCY	12/15/15	2016-24	TB	AB	AA

- PERFORMANCE SPECIFICATIONS:**
- CAPACITIES: 37.5K, 50K
 - RATED OUTPUT: 3.00 mV/V \pm 0.1%
 - SAFE OVERLOAD: 150% FS
 - EXCITATION VOLTAGE: 10-20V AC/DC
 - INPUT RESISTANCE: 385 \pm 10 OHMS
 - OUTPUT RESISTANCE: 350 \pm 5 OHMS
 - ZERO BALANCE: \pm 1.00% FS
 - SEAL TYPE: ENVIRONMENTALLY SEALED, IP67
 - NON-LINEARITY: \pm 0.03% FS
 - HYSTERESIS: \pm 0.02% FS
 - REPEATABILITY: \pm 0.01% FS
 - CREEP: \pm 0.02% FS
 - COMPENSATED TEMPERATURE RANGE: -10°C - +40°C
 - TEMPERATURE EFFECT ON ZERO: \pm 0.0027%FS/°C
 - TEMPERATURE EFFECT ON OUTPUT: \pm 0.0015%FS/°C
 - INSULATION RESISTANCE: >5000 MEGOHMS
 - LOAD CELL CABLE: 4 CONDUCTOR, 50 FT BRAIDED
 - LOAD CELL WIRING:
 - GREEN +EXC
 - BLACK -EXC
 - WHITE +SIG
 - RED -SIG
 - BRAID/YELLOW: SHIELD

RATED CAPACITY	DIMENSIONS						
	A	B	C	D	E	F	G
37.5K	13.625	2.75	5.25	2.00	1.44	5.00	12.55
50K	13.125	3.00	5.25	2.50	1.50	6.00	11.97

"DO NOT ALTER WITHOUT AGENCY NOTIFICATION"

COTI GLOBAL SENSORS, INC.

CG-WBM DOUBLE ENDED BEAM LOAD CELL

APPROVALS		DATE
DRAWN: DH		2/23/10
CHECKED: MB		2/23/10
ENGINEER: DH		2/23/10
APPROVED: AA		2/23/10
MATERIAL		
ALLOY STEEL		

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE REPRODUCED OR DISCLOSED FOR ANY PURPOSE OR USED TO PRODUCE THE ARTICLE OR SUBJECT WITHOUT WRITTEN PERMISSION FROM COTI GLOBAL SENSORS, INC.

TOLERANCES UNLESS OTHERWISE SPECIFIED
 .XX-±.01
 .XXX-±.005
 FRACTIONS-±1/16"
 ANGLES: ±1/2°

SCALE	SIZE	PART/DRAWING NO.	REV.
NONE	B	DOD-CG-WBM	C
MODEL CG-WBM			SHEET 1 OF 1