

Contacts shown in non pressurized state.

MAX. SWITCH CAPACITY 125 VAC 3 A

125 VDC 0.4 A

PROTECTION CLASS IP54

Alarm 1 Alarm 2 Alarm 3 The contacts close when the density drops.

CASE CONSTRUCTION: STAINLESS STEEL LENS: POLYCARBONATE UV STABALIZED

1 OF 3 SHEETS 2 AND ABOVE FOR INTERNAL USE ONLY.

Compensation Volume cm³/g	_		Alarm 2 MPa abs	Alarm 3 MPa abs
21.8	0.45-0.90 66-130 psi abs	0.62	0.60	0.60

-	11-19-13	SH.2: 20756 was 20256; ELE-803-1 was 38923-3	31931
-	1-27-11	RELEASE (B50)	28872
LET	DATE	ALTERATION	C.N.

specific volume for compensation at 20° centigrade and 1000 mbar

QUALITROL

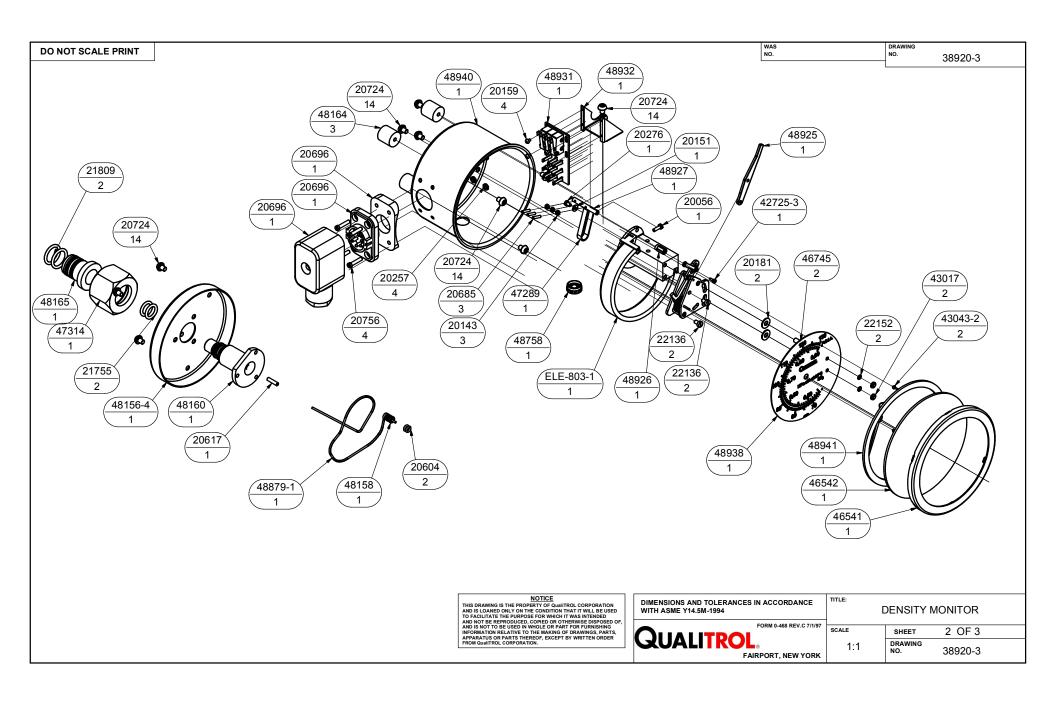
DIMENSIONS AND TOLERANCES IN
ACCORDANCE WITH ASME Y14.5M-1994

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PH. (585) 586-1515 FAX (585) 377-0220

1385 FAIRPORT ROAD FAIRPORT, NY 14450 FORM 0-473 REV.D 10/22/02

TITLE:	DENSITY MONITOR	-
MODEL NO.	38920-3	-



DO NOT SCALE PRINT DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-1994 NO.

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TOLERANCE acc. to ISO. Applicable where no tolerance is indicated For machining: ISO 2768-1m. FAIRPORT, NEW YORK

38920-3

DIAL READING

Alarm 1: 0.62

MPA ABS @ 20°C Contracting contacts

Alarm 2 & 3: 0.60 Fill Press: 0.70 MPA ABS @ 20°C

MPA ABS @ 20°C

Setting the lower end

MPA GAUGE 0.30

C motion shall be free at top

0.90

MPA GAUGE

Comp Factor: 0.002910

MPa / °C

19.0

Bimetal Depth: 25.5 mm

+0,5

Bimetal Deflection at 20C & 70C

-0,0

CALIBRATION READING

Fill Calibration pressure in MPA GAUGE

19°C	20°C	21°C	22°C	23°C	24°C	25°C
0.597	0.600	0.603	0.606	0.609	0.612	0.615

Tolerance: -0 / +0,005

Alarm setting in MPA GAUGE

Alarm	19°C	20°C	21°C	22°C	23°C	24°C	25°C
۸.4	0.519	0.522	0.525	0.528	0.531	0.534	0.537
A1	0.514	0.517	0.520	0.523	0.526	0.529	0.532
A 2 / A 2	0.499	0.502	0.505	0.508	0.511	0.514	0.517
A2 / A3	0.494	0.497	0.500	0.503	0.506	0.509	0.512

The difference between A1 & A2 / A3 can be up to ±0,004 MPa

A2/A3 must go on & off together

Alarms must go off .015 to .030 of settings

CHAMBER READING

Comp control for A1 in MPA GAUGE

-30°C ±1°C		
0.375 ±0,015		

60°C	±1°C
0.636	±0,015

							TITLE:
							DENSITY MONITOR
							MATERIAL:
-		SEE SHEET 1			FINISH:		
LET	DATE		ALTERATION			C.N.	
SHEE	т 3 OF	- 3	DRAWN	BWS	DATE 1/20/20)11	DRAWING
SCALE		_	CHECK				No. 38920-3
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