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Job no. Date: Pressure sensor Completed by: Sheet no.: List of specifications No. Structure Label Source, Values, data Type comments Mandalory Pressure lour Quasi-static Need but Net Mangatory Meld but Net Supply vectage ±12V Cost Minimym

Vilu time of 72-34 cm?

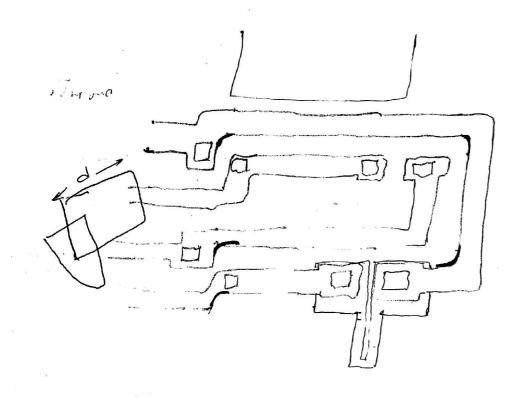
Product Name: Marish kymo **MEMS** Institut für Mikrotechnik laboratory class Student ID: U847551

Si+20H + 2H20 - Si02(OH)2-+2H2 KOH = 40%. UR49552 Dersity & KOH = 2.129/cm3 walarmass of KOH= 56.11 g mol. Manish humar eig (Co or the ; melenty = 1. \* downty = 0.4 × 2.12 = 1. Walarmans = 56.11 = 1 - Desta mil 56.11 2 ... unschu 0.0151 , Moat, = 15.11 wal better/improved volume calculation see extra page ient of own) . 15 Volume of mentrane = (Wilty) x tulkness. = (4000x106) x (450-25)x106)  $e_{\mathsf{ag}_{\mathsf{U}_{\mathsf{E}}}}$ Velque = 6.8×109 m3 => 6.8×10mL to ci ttel; M(si) = Valume x I silion modMelar Mall desilicing ld sci 6.8×159 × 2.3296 = 5.617×10 mol Thir of G n (42) = 2xn(si) v =2x5.617x107 ig. tion VUZ -> V= Vm. 0. M = 22,614 L M = 0.218 L ' Ki 0.4×2.12 50.015113 ern Volyme of water Promet just for gases, water is a fluis tioi V= 8. 314 × 293 × 1.123.4 x 153 tai 30.06.17 26 Scanned by CamScanner

3) 
$$w(k\circ H) = w(k\circ H) \cdot w(H_{2\circ})$$
  
 $(1-w(k\circ H))$ 

$$= \frac{0.40 \times 20009}{(1-0.40)} = 1333.39$$

- (4) Evaporational 420 might play a rale in changing
- (5) It is important to know me shift b/w wash and washer to prevent uncertainty of the planned structures.



36.06.17

4847551 30.06.12 24. Etch rate = 1d time. V My 7 d = wass snickulawhite some swicking Ratel of Etch. 42544 4:2246,6 direction for etching もく1007= 100 also oh, Since it was not der direct clearly in task t<1117 = 1.62 44 Why and h, be 9.91 h×100.60m = 997.784m In 110 it equal to 9.918×1.62 = 16.05 Mm in 222 it equal to 9.91 h x42.85 = 4 24.6444 in 100 themal to 1060.664 etching result 1.5 x 500 x /2 unit? 0.9743 Table 2. A livet liqual sin (90-57.68)+45)

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