



Fig. 2: Experimental set up for pressure measurement.

CONCLUDING REMARKES

Spherical underwater shock waves were generated by a Q-switched Ho:YAG laser irradiation and successively focused on specified minute area. The overpressures of focused shock waves were larger than the rupture strength of rat's organs.

REFERENCES

- [1] Takayama, K., 1987, Non-invasive Disintegration of Human Calculi by Underwater Shock Wave Focusing. *Transactions of the Japan Society of Mechanical Engineers*, **822**, 571-576.
- [2] Takayama, K., Obara, T., Saito, K. and Kameshima, N., 1990, Focusing of Underwater Shock Waves and the Mechanism of High Pressure Generation. *Transactions of the Japan Society of Mechanical Engineers*. **526**, 1579-1582.
- [3] Hosseini, S.H.R., Hirano, T., Takayama, K., 2002, Study of micro-underwater shock waves induced by Q-switched Ho:YAG laser focusing. *Proceedings, ... meeting of Japan Society of Fluid Mechanics* 444-445.

