

Accepted Manuscript

Experimental study on new leak location methods for natural gas pipelines based on dynamic pressure waves

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PII: S1875-5100(18)30139-2

DOI: [10.1016/j.jngse.2018.03.023](https://doi.org/10.1016/j.jngse.2018.03.023)

Reference: JNGSE 2514

To appear in: *Journal of Natural Gas Science and Engineering*

Received Date: 10 October 2017

Revised Date: 22 March 2018

Accepted Date: 24 March 2018

Please cite this article as: Liu, C., Wang, Y., Li, Y., Xu, M., Experimental study on new leak location methods for natural gas pipelines based on dynamic pressure waves, *Journal of Natural Gas Science & Engineering* (2018), doi: 10.1016/j.jngse.2018.03.023.

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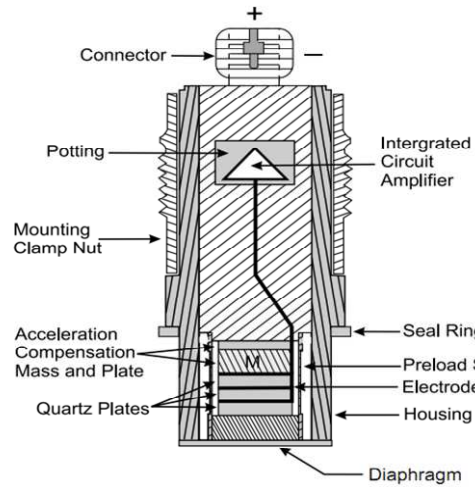


Fig.1 Fundamental diagram of dynamic pressure sensor

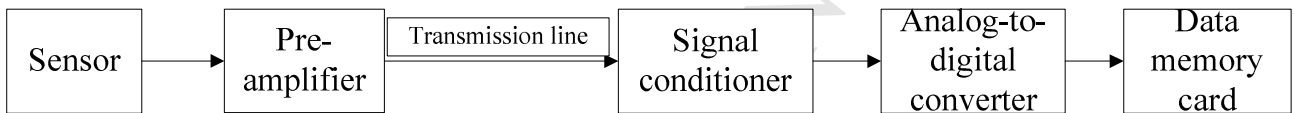


Fig.2 Structure chart of leaky DPWs acquisition system

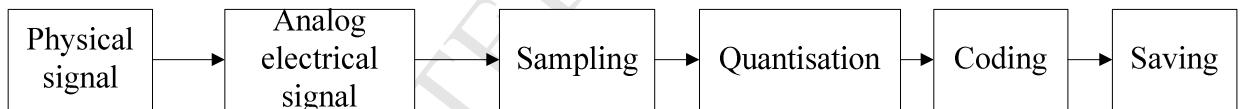
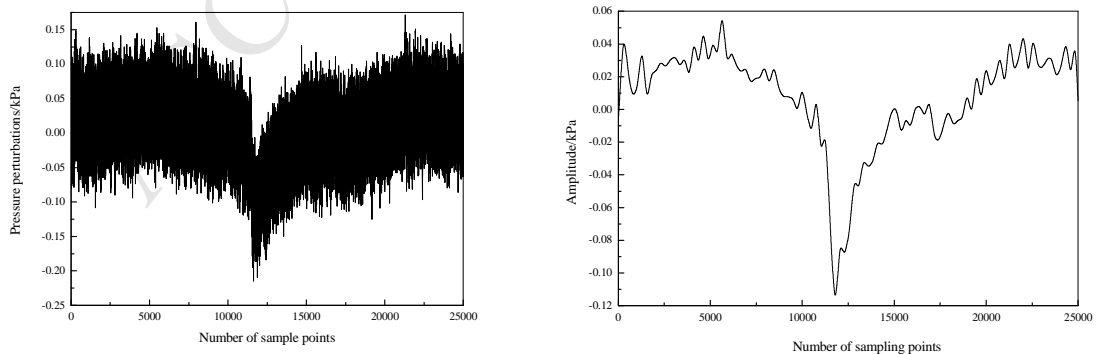


Fig.3 Flow chart of acquisition system function



(a) original signal

(b) WT signal

Fig.4 Measured and processed signals of field experiments

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