SONEX

Sonar and Fish finder probes

SONEX Sonar and Fish finder probes have a center frequency of 35 KHz and exhibit a TVR bandwidth of 15 KHz with the minimum Transmit Power of 130 dB. The main uses of these probes are underwater distance measure-.ment, obstacle detection and fish finding

SONEX

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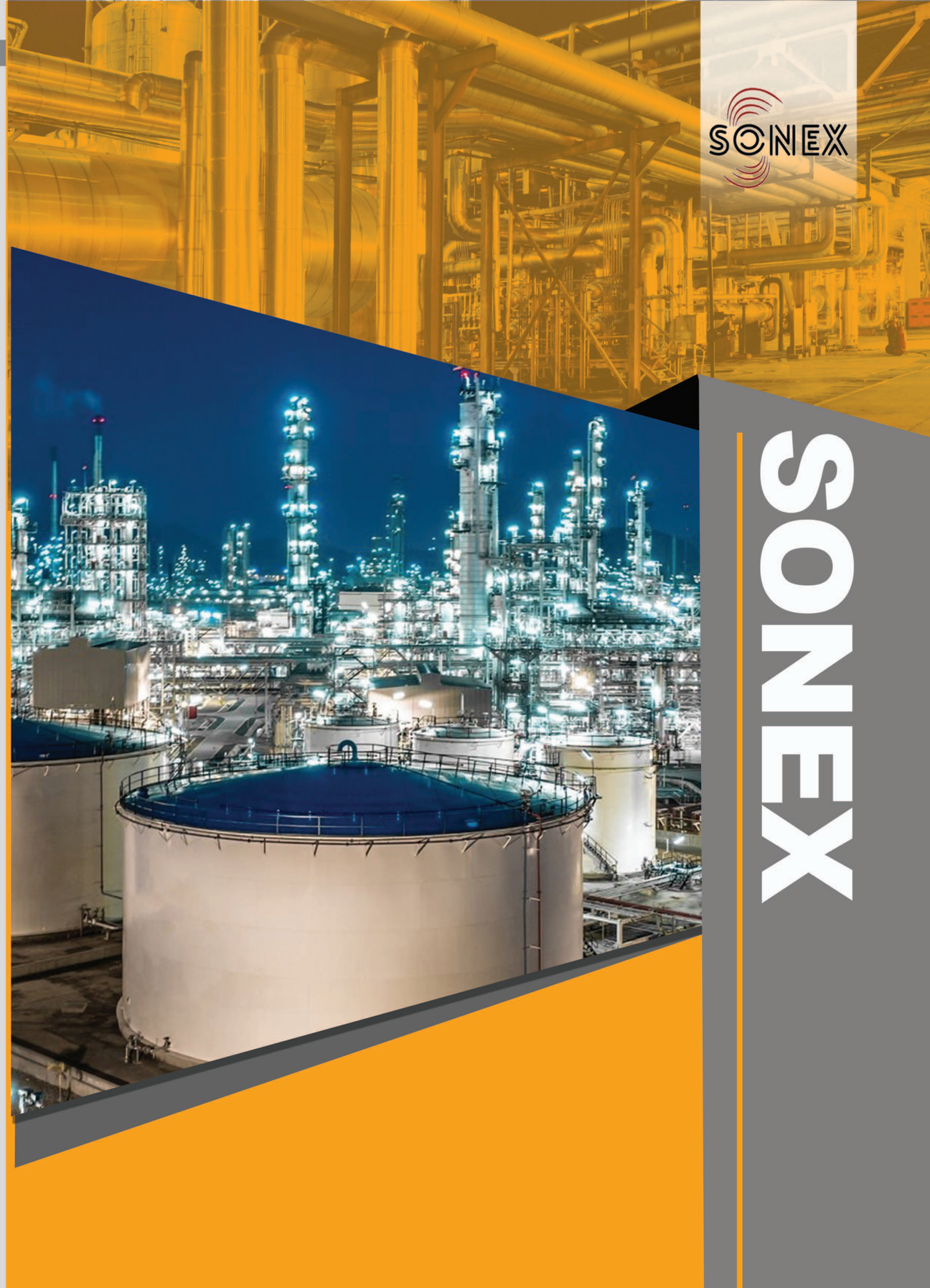

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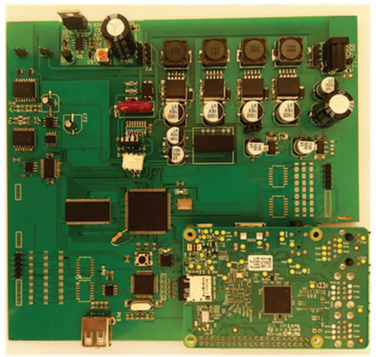
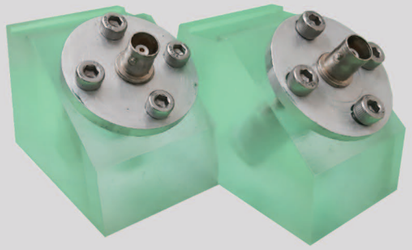
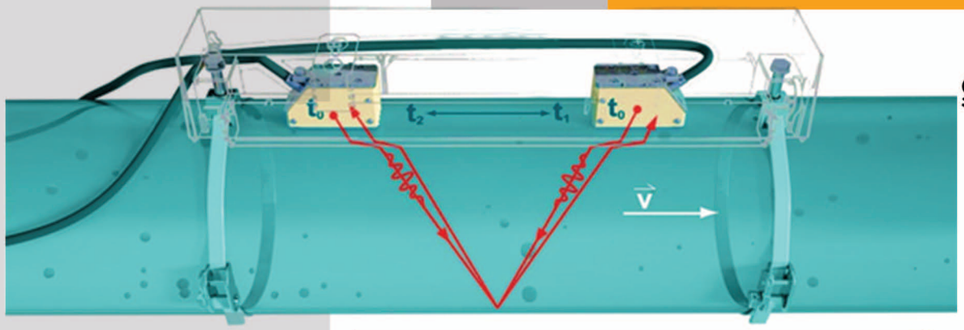
Ultrasonic Non-destructive Test Device

SONEX ultrasonic non-destructive test device, is designed to excite and use the ultrasonic NDT probes with the center frequencies of 1 to 10 MHz. This device is capable of producing “Spike” and “Burst” modes of excitation with the maximum voltage of 250Vdc and it includes high frequency amplifiers and filters for processing the received signals. To digitalize the received signals, an ADC with the sampling frequency of 65 MHz and 12 bits of resolution is used. The LCD and the keys have been designed to easily control the excita-.tion and see the resulting signals

The designed and manufactured ultrasonic Non-Destructive Test probes have the center frequencies of 1 and 2 MHz and can be used to show the Cracks, holes and other imperfections in Steel with a resolution of .500 micrometers





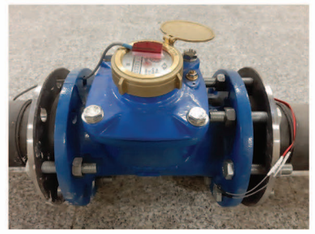


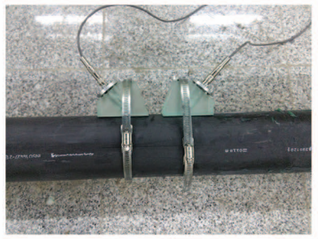
Ultrasonic Flowmeter

Clamped-on ultrasonic flowmeter calculates the flow rate by sending ultrasonic waves aligned with and against the liquid flow and measuring their time difference, having other data such as pipe diameter, pipe thickness, and distance between two probes, this device is capable of measuring the flow in the speed range of 0.1 to 60 meters per second with high accuracy.

SONEX Ultrasonic Flowmeter Probes that have been manufactured for measuring the flow velocity of liquids in Polyethylene and Steel Pipe with different Diameters. These probes are installed on the outer part of the pipes and can measure the flow non-invasively.

- No process shut-down or interruption of production
- Fast measuring dynamics capturing highly pulsating flows
- High operational safety with no leak risk
- No pressure losses, no line clogging
- Independent of pipe material, diameter, wall thickness and internal pressure





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