Ready for the future,
caring for the customer

Ultrasonic Products

SONIA® COMPACT

Mixed Conventional & PA Ultrasonic

tecnatom

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SONIA® COMPACT

SONIA COMPACT is a flexible ultrasonic equipment designed for use in hard environments, like those found in nuclear power plants and in the industry.

MAIN FEATURES

- Compatible with TECNATOM SONIA ultrasonic system architecture.
- UT Electronics for Automated Inspections: It's designed to be remotely operated.
- Fulfils the requirements of the most common UT inspection applications in the Nuclear and industrial field.
- Flexible in configuration: Conventional UT, Phased-array or a mix of them, with internal or external UT modules.
- Gigabit Ethernet for connection with external computers.
- External modules connected using fibre optic link.
- Four incremental encoders input for interfacing with mechanical equipments.
- All electronic parts are sealed in rugged enclosures.

FPR-8 / FPR-8A TECHNICAL SPECIFICATION

MODEL	CONFIGURATION	MAIN FEATURES
SONIA COMPACT 2E basic equipment	2 ports for connecting 2 external modules	The external modules could be any of the SONIA system
SONIA COMPACT 8C	1x **FPR-8** (*) module + 1 expansion port for connecting 1external module.	■ 8 UT conventional channels ■ Bandwidth from 0.4 to 30 MHz ■ Up to -300 V negative square wave pulser
SONIA COMPACT 16C	2x **FPR-8** modules	■ 16 UT conventional channels ■ Bandwidth from 0.4 to 30 MHz ■ Up to -300 V negative square wave pulser
SONIA COMPACT 1PA	1x **FPA-128M** (*) module + 1 expansion port for connecting 1external module	■ 32x128 multiplexed phased-array channels ■ Bandwidth from 0.45 to 28 MHz ■ Up to -100 V negative square wave pulser
SONIA COMPACT 2PA	2x **FPA-128M** modules	■ 2 modules of 32x128 multiplexed phased-array channels ■ Bandwidth from 0.45 to 28 MHz ■ Up to -100 V negative square wave pulser
SONIA COMPACT 8C1PA	1x **FPR-8** + 1x **FPA-128M** modules	■ 8 UT conventional channels ■ 32x128 multiplexed phased-array channels

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