



FEATURES

- Compact design for field inspections
- Built-in 30 dB pre-amplifier
- High-resolution scanning for flat surfaces and pipes
- Single scan path inspect a whole plate
- Unique scanner handle for easy operation
- Rubber wheel for steel and non-magnetic material
- Minimum pipe diameter 2" (50 mm)
- Up to 20" adjustable transducer distance
- Optional coupling kit
- Optional extension cable up to 200'
- Available TOFD transducers and wedges up to 15 MHz
- Available transducer cables with all kinds of connectors

DESCRIPTION

The μTOFD scanner is a single-axis coordinate scanner that, with the help of the UltraScan 5 system, is used to inspect welds on pipes and flat surfaces. With the rubber wheel on the encoder shaft the testing material can be steel as well as non-magnetic stainless steel.

A built-in water-proof pre-amplifier can be used for weak signal to provide the high quality signal for UT system. This is very helpful in some difficult testing conditions such as using 15 MHz TOFD probes and inspections on stainless steel. In addition it can be used for pulse/echo mode.

Other accessories include TOFD transducers and wedges up to 15 MHz, extended cables and coupling kits. The coupling kit consists of a couplant compressor, tubing, a Y-connector, and a flow-control valve. The 100-foot and 200-foot extension cables are built with differential line drivers and receivers which ensure the cables' reliable operation without attenuation.

The TOFD scanner is designed to work with UltraScan 5, an ultrasonic inspection and analysis system. The system includes a portable computer containing an all-in-one pulser/receiver and high speed digitizer card.

SPECIFICATIONS

Scan Resolution	0.003 inch (0.08 mm)
Scan Range	2745' (800 m)
Pre-Amp Band Width	0.5 MHz to 30 MHz
Pre-Amp Gain	30dB
Temperature Range	-20°C to 60°C ambience
Humidity	20% to condensing
Options	-Coupling kit -TOFD transducers and wedges up to 15 MHz -Transducer cables with all kinds of connectors -100' and 200' extension cable

