

Service data bulletin



Instrument: GDS101

Date: 03.05.2007

Created by: Geir Theodorsen

SUBJECT: This is a guide to test SKIPPER transducers with a transducer tester

EQUIPMENT REQUIRED: Transducer tester
Type: EDI model TT2D
This may be purchased through SKIPPER Electronics AS or from
manufacturer Electronic Devices Inc. www.dsts.com



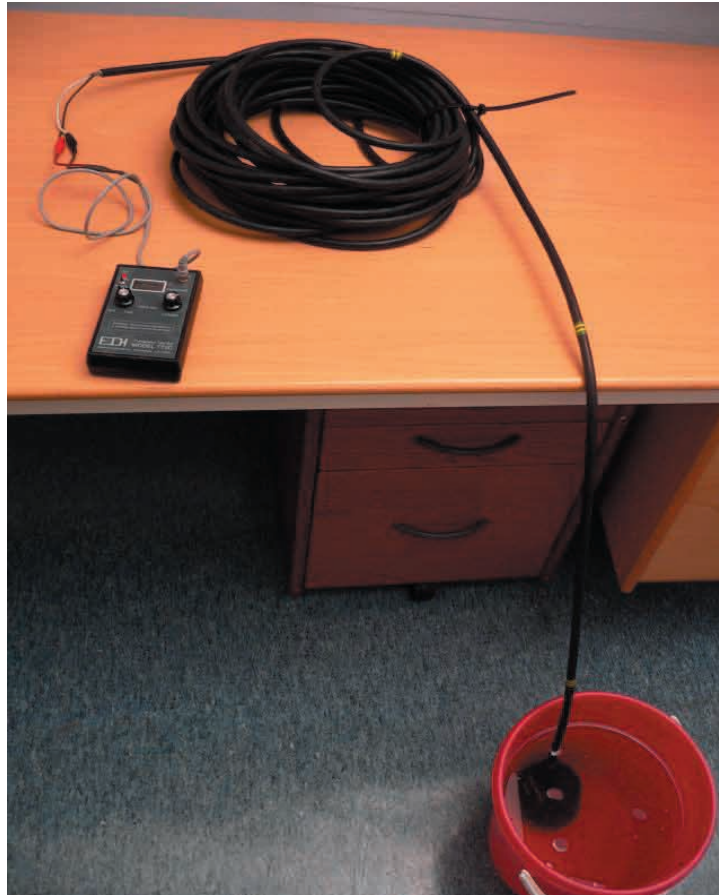
WHAT TO DO: The transducer should be submerged into water when testing.
Both resonance frequency and impedance may change in air.

Measure insulation resistance between one lead and screen. Should be $>5\text{M}\Omega$

Measure DC resistance between leads.

Find resonance frequency and measure impedance at this frequency.

For operation of tester , see operation manual.



SPECIFICATIONS OF SKIPPER TRANSDUCERS

Part number	Type	Resonant frequency	Impedance at resonance	DC resistance	Beam angle
ETN050BEL	TGM 60-50-25L	50 kHz	150-350 Ω	$>5\text{M}\Omega$	40° deg
ETN200F	TGM 100-200-25L	200 kHz	30-100 Ω	$>5\text{M}\Omega$	6° deg
ETN200FS	TGM 50-200-25L	200 kHz	100-400 Ω	$>5\text{M}\Omega$	12° deg
ETN38M	M 181-38-40L	38 kHz	40-100 Ω	$<10\Omega$	20° deg
ETN24M	M 181-24-40L	24 kHz	50-80 Ω	$<10\Omega$	20° deg