

TECHNICAL SPECIFICATIONS FOR ULTRASONIC FLAW DETECTOR

Sr. No.	DESCRIPTION	QTY (No)
01	<u>Ultrasonic Flaw Detector</u> Display: • Size ~ 7 Inch • Active Area 150 × 90 mm² • Resolution 800 × 480 pixels • Range 414 meter, for longitudinal wave • Display Delay - 15 3500 μs • Probe Delay 0 1000 μs • Velocity 25016000 m/s • PRF Automatically optimized 15 2000 Hz, 3 automatic setting modes (Auto low, Auto Med, Auto High) Pulser: • Pulser Mode Square wave pulser, Spike pulser • Pulser Voltage 120300 V, in steps of 10 V (tolerance 10 %) • Falling / Rising Time Max 10 ns • Pulser Width 30 ...500 ns, in steps of 10 ns • Pulser Amplitude Low 120 V, High 300 V • Pulser Energy Low 30 ns, High 100 ns • Damping 50 ohms, 1000 ohms Receiver: • Digital Gain Dynamic range 110 db, adjustable in 0.2 db step • Analog Bandwidth 0.5 ... 20 MHz • Filter Broadband 1 - 5 MHz / 2, 2.25 MHz / 4.5 MHz / 10 MHz / 13, 15 MHz Connectors: • Probe Connector LEMO - 1 • USB Interface USB type B connector • Service Interface LEMO - 1 B Memory: • Capacity ≥ 8 GB • Card Slot SD card for all standard SD cards • Reports JPG or BNP format Battery: • Battery Li-Ion, operating time ≥ 13 hours, internal charging with power adaptor / charger • Power adaptor / Charger Universal power supply unit 100 - 240 VAC, 50/60 Hz	01



02	Accessories:	
	• Li-Ion Battery	01
	• Battery charger for external charging of Li-Ion battery	01
	• Carrying case	01
	• VGA cable for connecting external monitor	01
	• USB cable A/B 1 meter	01
	• Compatible printer along with cables	01
	• Reference standard, N 23	01
	• Reference standard, N 30	01
03	Probes:	
	❖ Straight Beam Probes:	
	- B 0.5 SL	01
	- B 0.5 SL with 20 mm diameter	01
	- B 1 SL	01
	- MB 2 S	01
	- MB 4 S	01
	- MB 4 F	01
	❖ TR Straight Beam Probes:	
	- SEB 1	01
	- MSEB 2	01
	- MSEB 4	01
	❖ Angle Beam Probes:	
	- MWB 45-4	02
	- MWB 60-4	02
	- MWB 70-4	02
04	Probe Cables:	
	- PKLL 2	06
	- MPKL 2	04
	- SEKG 2	04
05	Couplant: ZG – F, 200 cm ³ / bottle	10 bottle
06	V1 Calibration Block (Steel)	01
07	V2 Calibration Block (Steel)	01
08	V2 Calibration Block (Aluminium)	01
09	VW Stepped Calibration Block (1 - 8)mm with 1 mm step (Aluminium)	01
	➤ Operation & service / maintenance manual with detailed circuit diagrams in English.	
	➤ Certificate from the manufacturer that all the items are new & are of good quality.	
	➤ Quotation must be accompanied with full technical literature.	
	Make : Europe, USA or Japan only	