

PCUS-10

Channels:	1 Transmitter, 1Receiver
Frequency Range:	0.5 - 20 MHz (-3dB)
Filters	
One Broadband:	0.5 – 20 MHz
3 Narrow Band:	2 MHz (± 1.3), 5 MHz (± 3.3), 12.5 MHz (± 7.5)
Amplifier Range:	-20dB to 80dB, adjustable in 0.2 dB increments
Dynamic Range:	100 dB
Impedance:	50 Ω , 300 Ω selectable
Transmitter Pulse	
Pulser:	-400V or -200V, adjustable
Pulse Rise time:	<6ns (10% to 90%)
Pulse width:	<90ns (10% FSH)
Sampling Rate:	80 MS/s, 8 bit
Display Memory:	8 k
Data Memory:	64 k
Data Compression:	1:1 to 1:256
Sweep Range:	2456mm, longitudinal wave in steel
Sweep Delay:	max. 819.2 μ s, adjustable in 12.5ns increments
Averaging:	off, and 1 to 32 samples
A-scan Recording:	Pulse-Echo (SEM) and Multiple-Echo (MEM)
A-scan Display:	RF, Full Wave, positive half wave, negative half wave
Noise Filter:	0 to 80% FSH in 1% increments
Power Input:	5W maximum, 0.5W in power saving mode
Interface:	ISA-Bus, 16 bit
I/O Address:	220H to 3E0H, selectable with DIL switch
IRQ Selection:	off, 10,11,12
Dimensions and Weight:	22mm length, 98mm width ($\frac{3}{4}$ length ISA), 317grams (11.2oz)
Operating Temperature:	0° to 50°C (32°F to 122°F);
Connectors:	Lemo 00 for pulse-echo, transmit and receive, trigger-in and trigger-out

