

# Krautkramer USN 58L

Intensive colors - for indoors and outdoors



## A very special display...

is presented by the universal ultrasonic instrument USN 58L: the transfective (i.e. contrast by external light) color LCD is the optimum choice for use in a bright environment. Even with direct sunlight, the display is still easily readable - an advantage that every operator will appreciate in field applications.

New digitizing and signal processing methods as well as a display refresh rate of 60 Hz have added another highlight to this instrument: with its very fast display refresh, the USN 58L makes up for the lead in display speed that analog instruments previously had.

## Proven performance features...

of the successful Krautkramer instruments USN 50/52 were adopted or further improved:

- Calibration range from 1 mm to 12 m for minimum and maximum sized workpieces
- Large frequency range from 0.25 to 25 MHz for optimum probe matching
- Pulse repetition frequency from 15 to 2000 Hz, automatically linked with the calibration range or manually adjustable
- 2-point calibration: easy, fast, and very accurate
- Material tables with 65 sound velocities stored in the instrument

## ... even for demanding applications

Besides the powerful ultrasonic features, the USN 58L has other specialities available to extend its application range:

- Real-time outputs: analog and TTL outputs for the requirements of automatic test systems
- "SmartView" function: maximum flaw detectability even at high scanning speeds
- Reliable display of even shorter signals (e.g. from only one transmit/receive cycle) by adjustable persistence.

Easy operation, thanks to the two rotary knobs, is combined with an intuitive menu layout.

GE imagination at work

