

TICO Ultrasonic Instrument

ZI 10006



TICO Ultrasonic Instrument : ZI 10006

The pulse velocity in a material depends on its density and its elastic properties, which in turn are related to the quality and the compressive strength of the material. It is therefore possible to obtain information about the properties of components by sonic investigations:

1. Uniformity of the concrete
2. Cavities, cracks, defects due to fire and frost
3. Modulus of elasticity (general indication only)
4. Concrete strength

TECHNICAL INFORMATION

Display Unit with non-volatile memory for 250 measured values

DISPLAY : 128 x 128 graphic LCD

INTERFACE : RS 232 or with adapter* to USB

INTEGRATED SOFTWARE : for transmission of the measured values to PC

MEASURING RANGE : ~15 to 6550 μ s

RESOLUTION : 0.1 μ s

VOLTAGE PULSE : 1 KV

PULSE RATE : 3/s

IMPEDANCE AT INPUT : 1M

TEMPERATURE RANGE : -10° to + 60° C for instrument

RECOMMENDED RANGE

FOR MEASUREMENTS : 0° C to 50° C only

BATTERY : 6 LR 6, 1.5 V (30 hours operation)

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