SF3-20

Crack Growth Monitor 3 channels – 20 AMP Ethernet

APPLICATIONS

- For homogeneous and electrically conductive materials
- Measuring the length of through cracks progressing in thin metal sheets
- Determination of the shape of the crack front inside thick specimens (three-dimensional extension of use possible in a number of cases)

DESCRIPTION

The device essentially performs three functions:
- Power supply to the specimen,
- Triggering the measurement,
- Amplification and measurement of the voltage measured on the specimen (X 3 channels)

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TECHNICAL FEATURES

Port	Ethernet
Current intensity of the specimen current	Adjustable from 0 to 20A
Pulse widths	Adjustable from 0 to 200 ms
Pulse frequency	Adjustable from 0 to 150 Hz (for a 4 ms pulse)
Execution mode	Internal pulse, Sector pulse, External pulse
External signal input	+/- 10V
Gain	from 0 to 20000
Tripping threshold	0/10V
Delay times	0 to 200 ms, for mains or external pulse
Current stability	103
Measurement voltage	0 to ± 10V
Measuring channels	3, 1 of which takes as input the other two (A-B) and (A/B)
Output current	5mA
Voice response time measurement	0.2 to 1s
Variable gain	By multiplying button 0 to 20000
Power supply voltage	220V ± 10% 50Hz
Dimensions	EURONORM 3U - 81 TE box
- **Length**	445.5 mm
- **Width**	132.5 mm
- **Depth**	430 mm
Male plug 4 contacts	Rapid JAEGER 530 754, test specimen
Sockret 3 contacts	JAEGER miniature 530 232, channels
Cable clamp	JAEGER 530 331