

## Data Sheet



### Syscompact 2000

Syscompact 2000/32 is a compact designed, fully enclosed cable fault location system for prelocation and pin pointing of high impedance, low impedance and intermittent cable faults of low and medium voltage cables. Easy operation and use of latest fault location methods in combination with efficient instruments enable a rapid and reliable fault location.

The equipment is available with a surge generator SSG 1100, 1500 or 2100. Optionally a SSG 500 could be integrated. The compact design of the equipment enables easy transport and installation into every van with a payload of 300 to 500 kg.

#### Features:

- location of low-impedance, high-impedance and intermittent cable faults up to 32 kV
- efficient and precise cable fault prelocation methods
- pin pointing according to the acoustic method or measurement of acoustic propagation time (with Universal Locator UL and Ground Microphone BM)
- sheath fault location according to step voltage method (optional with UL and two test probes)
- easiest handling
- modular design, easy to extend for cable testing and diagnosis instruments



ENSURING THE FLOW.

## Measuring methods:

- Pulse Reflection Method (TDR)
- Secondary Impulse Method (SIM)
- Secondary Impulse Method (SIM DC)
- Multiple Impulse Method (MIM)  
(advanced SIM)
- Differential Secondary Impulse Method
- Impulse Current Method (ICM)

## Technical data

<b>IRG 2000</b>	
Output voltage	10...60V
Pulse width	40ns – 10µs
Electric strength	400V AC (50-60 Hz)
Output impedance	10 - 250 Ohm
Measuring range (at $v / 2 = 80 \text{ m} / \mu\text{s}$ )	0 - 65 km
Real time sampling rate	200 MHz (5ns)
Resolution	0,4 m (at $v/2 = 80 \text{ m}/\mu\text{s}$ )
Propagation velocity $v/2$	50 – 150 m/µs (164 – 492 ft/µs)
Sensitivity of input divider	-0 dB ... + 60 dB
Number of echograms in memory	100
Colour display	TFT 320 x 240 (121mm x 92mm – 6")
<b>SSG</b>	
Output surge voltage	0 – 8 kV / 0 – 16 kV / 0 – 32 kV
Surge energy	1100, 1500, 2100 J
Pulse output	Single, 10, 20 or 30 Impulses/Min
DC – Voltage	0 – 32 kV
Max. DC current	850 mA
<b>System</b>	
Power supply for mains operation	110-240V (50/60 Hz)
Weight	195 – 295 kg
Operating temperature	-20 ... +50 °C
Storage temperature	-40 ... +60 °C



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