BAUR IRG 2000	ERSTED TDR RI-407 «SWIFT»
	
Measurement methods: ▪ TDR Time Domain Reflectometry ▪ SIM/MIM Secondary/Multiple Impulse Method ▪ ICM Impulse Current Method ▪ Decay method	**Measurement methods:** ▪ TDR Time Domain Reflectometry ▪ SIM/MIM Secondary/Multiple Impulse Method ▪ ICM Impulse Current Method ▪ Decay method
Measurement range 0 ... 65 km (at v/2 = 80 m/µs)	**Measurement range** 0 ... 205 km (at v/2 = 80 m/µs)
Pulse width 40 ns ... 10 µs	**Pulse width** 10 ns ... 100 µs
Pulse voltage 10 ... 60 V	**Pulse voltage** 9 ... 48 V (on match load) 18 ... 86 V (on open circuit)
Resolution 0.4 m (at v/2 = 80 m/µs)	**Resolution** 0.1 m (at v/2 = 80 m/µs)
Sampling rate 200 MHz	**Sampling rate** Up to 800 MHz – in TDR mode 100 MHz – in SIM/MIM, ICE/Decay modes
Accuracy 0.2%	**Accuracy** 0.01% … 0.2% (depending on sub-range)
Input signal gain 0…60 dB	**Input signal gain** 0…73 dB
Velocity of propagation (v/2), adjustable v/2: 50 ... 150 m/µs	**Velocity of propagation (v/2 – PF - VoP), adjustable** v/2: 10 ... 149.9 m/µs PF : 1.000 … 10.000 VoP: 10%...100%
Output impedance 10 … 250 Ω	**Output impedance** 75 Ω
Synchronization ARM (SIM/MIM) ???	**Synchronization ARM (SIM/MIM)** ▪ External, TRIG-input ▪ Internal, adjustment Delay (0 …50 ms, step 0.2 ms) ▪ MIM-Interval adjustment (0.5 ms …1159.5 ms)
Synchronization ICM, DECAY ???	**Synchronization ICM, DECAY** Threshold Level (-165 V … +165 V, step 2 V)
Voltage-proof up to 400 V, 50/60 Hz	**Voltage-proof up to** 400 V, 50/60 Hz* – via UP-1 voltage protection unit

Display 6” color LCD, 320 x 240 pixels	**Display** 10.4" color TFT LCD, 800 x 600 pixels, 400 cd/m2 LED backlight
User interface language English, French, German, Dutch, Italian, Polish, Portuguese, Russian, Spanish	**User interface language** English, Russian, Spanish, Portuguese, Chinese, or your language on request;
Storage capacity 100 measurements	**Storage capacity** >1000 TDR traces (8000 pixels per one TDR trace) >1000 Screen shots *.jpg file > 500 PF (v/2, VoP) values backup to an external USB drive
Connections Data exchange: ▪ RS-232 ▪ Printer connection Measuring: ▪ BNC	**Connections** Data exchange: ▪ USB-A - data exchange with PC via USB-drive Measuring: ▪ BNC TDR - TDR, ARM ▪ BNC TRIG - external synchronization ARM ▪ BNC WAVE - ICE, Decay methods
Protection class IP 54	**Protection class** IP 65 enclosed, IP 54 open
Power Supply Battery type NiMH 12 V; 2100 mAh (7 pcs) Battery operation: Approx. 5h External: 110 ... 260 V, 50/60 Hz	**Power Supply** Battery type Li-Ion 7V; 7000mAh Battery operation: > 6h continuous working External: 110 ... 240 V, 50/60 Hz, 40 VA, 12 V
Dimensions (W x H x D) 220 x 130 x 75 mm	**Dimensions (W x H x D)** 363 x 170 x 295 mm
Weight 1.1 kg	**Weight** 3.9 kg
Operating temperature - 20 °C ... + 50 °C	**Operating temperature** - 20 °C ... + 40 °C
Storage temperature - 40 °C ... + 60 °C	**Storage temperature** - 50 °C ... + 50 °C