

## RS2128 E1 BER Tester

RS2128 E1 BER tester is a small and multi-functional handheld E1 line test instrument which is to do BER test, frame analysis, time slot analysis, signaling test, sign analysis, alarm analysis and so on. It is not only durable and easy to use, but also has high performance-to-providing ratio, especially for simplifies installation and maintenance testing for faster problem resolution

### Basic Functions

- 120Ω and 75Ω line interfaces
- HDB3 and AMI line codes
- Out-of-service framed and unframed testing
- 2Mb/s, N×64Kb/s BER testing
- Frame data and alarm monitoring
- Clock slip measurement
- Frequency and level measurement
- Clock source: Internal, Interface
- Testing pattern: PRBS, Fix Code, 16-BIT User Word
- Error injection: Single and Fixed Rate
- Real-time transmit circuit open/short indication
- Manual and auto-timer measurement
- G.821, G.826, and M.2100 performance analysis
- Test results uploaded, conserved and printed by TestManagerPro software

### Option

- In-service framed and unframed testing
- Hi-Z and through mode testing
- CODE, FAS, CRC4, E-BIT BER testing
- Frame data and timeslot activity monitoring
- CAS and CCS signaling monitoring

### Main Features

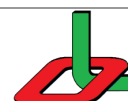
- Handheld design, dapper design and easy-to-use



- High resolution backlit LCD
- Smart navigation mode displays
- Self-check and keyboard testing function
- Extensive error and alarm generation, detection and indication
- Histograms analysis of alarm and error events
- Up to 99 days continuous test performance
- Save/Recall of up to 7 user-defined setups and 10 sets of results
- Up to 8 hours operation from a single battery charge
- Built-in Li rechargeable batteries and smart charger circuit
- Can be charged with automobile cigarette lighter battery adapter
- Upgradeable software via an integrated USB interface
- Test results could be output or printed with A4-size report form by TestManagerPro software

**Configuration List**

Item	Qua.	Item	Qua.
RS2128 E1 BER Tester	1	TestManagerPro Software CD	1
AC Power Adaptor	1	Waterproof Package	1
Automobile Cigarette Lighter Battery Adaptor cable	1	User's Manual	1
75 ohm Unbalanced Test Cable	2	Quality Certificate Card	1
120 ohm Balanced Test Cable	1	Maintenance Card	1
Rechargeable Li Battery	1	Packing List	1
USB Communication Cable	1		



**Specifications**

Item	Description	
<b>Internal Clock</b>	2048Kb/s ± 10ppm	
<b>Line Interfaces</b>	75Ω (Unbalanced), 120Ω (Balanced); *High Input Impedance >2KΩ	
<b>Line Code</b>	HDB3, AMI	
<b>Framing</b>	Unframed, PCM30, PCM30CRC, PCM31, PCM31CRC	
<b>Level Measurement</b>	-43dB ~ -2.5dB	
<b>Tx Clock Source</b>	Internal, Interface	
<b>Frequency Measurement</b>	Accuracy: ±1Hz	
<b>Offset Measurement</b>	Accuracy: ±1ppm Range: -999ppm~+999ppm	
<b>Test Patterns</b>	PRBS	2 <sup>23</sup> -1, 2 <sup>15</sup> -1, 2 <sup>11</sup> -1, 2 <sup>9</sup> -1
	Fixed Code	1111, 0000, 1010
	16-BIT	User Programmable Word
<b>Alarm Indications</b>	Signal Loss, AIS, Frame Loss, MFrame loss, Pattern Loss, Remote Alarm, Errors, Low Battery	
<b>Error Injection</b>	Type: BIT, FAS, CODE, CRC4, E-BIT	
	Single, Fixed Rate: 10 <sup>-2</sup> , 10 <sup>-3</sup> , 10 <sup>-4</sup> , 10 <sup>-5</sup> , 10 <sup>-6</sup> , 10 <sup>-7</sup>	
<b>Performance Analysis</b>	ITU-T G.821, G.826 and M.2100	
<b>Serial Port</b>	RS-232C	
<b>Rechargeable Batteries</b>	7.4V Li battery, continuous working for 8 hours	
<b>Recharge Time</b>	Approx. 2 hours	
<b>AC Power Adapter</b>	Input: 100V ~ 240VAC, 50/60Hz	
	Output: 12VDC /1.5A	
<b>TestManager™</b>	Operating System: WIN98/ME/2000/NT/XP	
<b>Dimensions</b>	L×W×H 230mm×72/116mm×33mm	



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<b>Weight</b>	Approx. 500g
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Remark:\* means option

