








AT-2048: Competitor Table

	ALBEDO AT-2048	JDSU Smartclass E1	VeEX TX130/e+	VeEX TX50e	EXFO Puma 4000e	CTC HCT BERT/C	DADI BER-1560
<i>Image</i>							
<i>Platform</i>	2xUSB, Ethernet	RS-232	USB, Ethernet, WiFi	USB	RS-232, PCMCIA	USB, RS-232	RS-232, Ethernet
<i>Batteries</i>	NiMH 5 h (1 pack) 10 h (2 packs)	NiMH 2-5 h	Li Ion 3 h	NiMH 6 h	?	4 h	Li Ion 8 h
<i>Display</i>	480 x 272 pixels Full Color	320 x 240 pixels	320 x 240 pixels	320 x 240 pixels	?	?	320 x 240 pixels
<i>Test Ports</i>	1 balanced 1 unbalanced (2xTX, 2xRX) Input sensitivity -45 dB	2 balanced (1xTX, 2xRX)	2 balanced 1 unbalanced (1xTX?, 2xRX)	2 balanced or unbalanced (1xTX, 2xRX)	2 balanced and unbalanced (2xTX, 2xRX)	1 balanced 1 unbalanced (1xTX, 1xRX)	1 balanced 1 unbalanced (2xTX, 2xRX)
<i>Datacom</i>	V.24/V.28 X.21/V.11 V.35 V.36 EIA-530 Drop & insert datacom in E1 Based on CISCO standard cables	V.24/V.28 X.21/V.11 V.35 V.36 EIA-530 Based on <u>propie- tary</u> data cables.	X.21 V.35 V.36 Based on <u>propie- tary</u> data cables	-	V.24/V.28 X.21/V.11 V.35 V.36 EIA-530 Connectors attached to the tester chassis.	V.24/V.28 X.21/V.11 V.35 V.36 EIA-530 Based on <u>propie- tary</u> data cables.	V.24/V.28 X.21/V.11 V.35 V.36 EIA-530
<i>Jitter</i>	J. generator J. analysis J. tolerance J. transfer Single wide jitter scale	J. generator J. amplitude J. tolerance J. transfer	J. generator J. amplitude J. tolerance J. transfer	J. generator J. amplitude J. tolerance J. transfer	J. generator J. amplitude J. tolerance	-	J. amplitude
<i>Wander</i>	Generation Frequency offset Frequency drift TIE, MTIE, TDEV	-	DS1 only	-	-	-	-
<i>Pulse Shape</i>	Yes	Yes	Yes	Yes Oscilloscope	Yes	-	Yes
<i>Signalling</i>	CAS	CAS MFC/R2	ISDN PRI	CAS	CAS DTMF/Pulse ISDN PRI	CAS ISDN PRI	-
<i>Frame Relay</i>	Yes	Yes	-	-	Yes	-	-
<i>Codirectional & Contradirectional</i>	Yes	Yes	-	-	Yes	-	Codirectional only (64 kb/s)
<i>Performance</i>	G.821 G.826 M.2100	G.821 G.826 M.2100	G.821 G.826 M.2100 M.2101	G.821 G.826 M.2100	G.821 G.826 M.2100	G.821 G.826 M.2100	G.821 G.826 M.2100
<i>VF Testing</i>	Level and fre- quency test Drop & insert tone Drop & insert voice	Level and fre- quency test Drop & insert tone	Level and fre- quency test Drop & insert tone Drop & insert voice	Level and fre- quency test. Drop & insert tone (fixed freq. and level). Drop & insert voice	Level and fre- quency test. Drop & insert tone. Drop & insert voice	-	Level and fre- quency test Drop & insert voice
<i>Ethernet testing</i>	-	-	Yes	-	-	-	Ping test
<i>Year of design</i>	2011	90's	2004	?	90's	?	?
<i>Made in</i>	Europe	US	US	OEM Russia	Canada	China	China