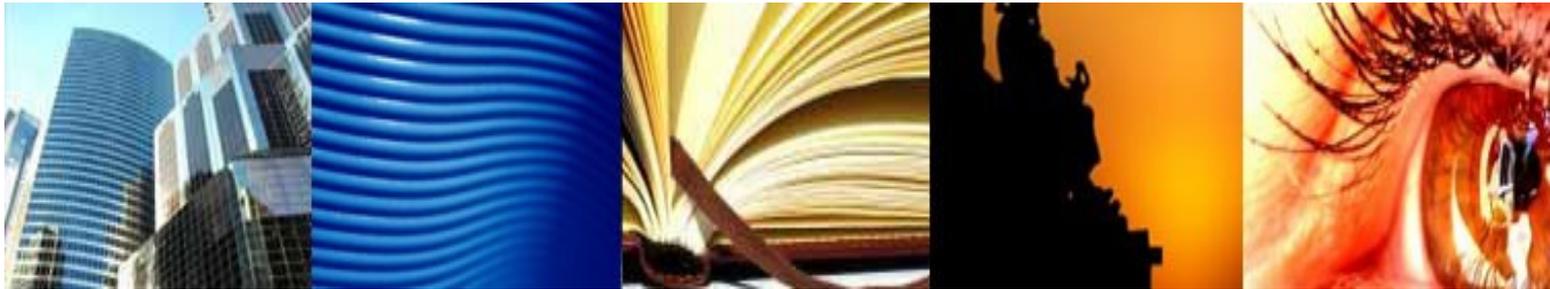# AT.One T1, E1, Datacom tester

All-in-one : T1, E1, nx64k, Datacom, Jitter, Wander, Pulse, FRL, VF
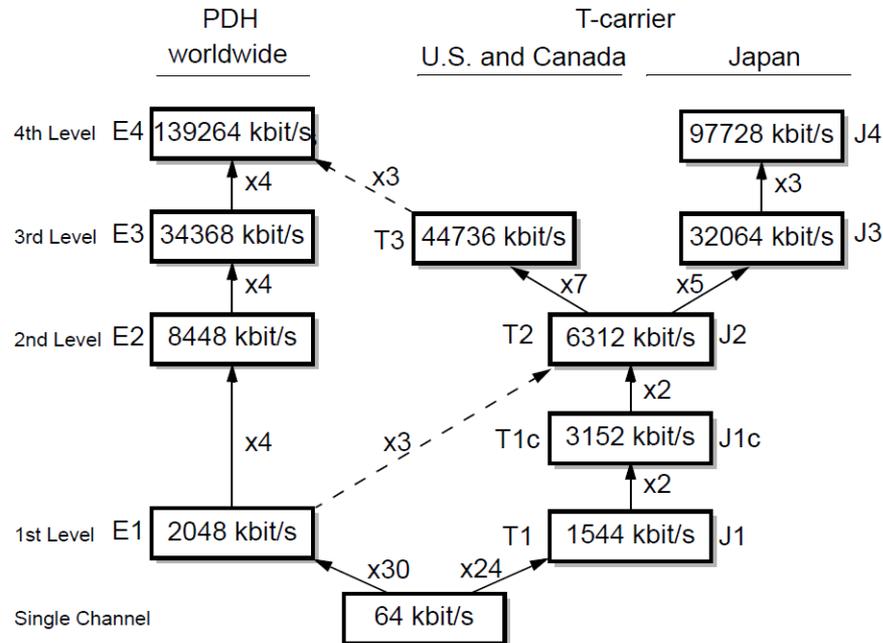
The **AT-One** is a tester specifically designed in 2011 for field engineers installing, commissioning and trouble-shooting **T1, E1, Datacom, Wander, Frame Relay** services.

Designed **in 2015**

1983

2015

		PDH worldwide	T-carrier U.S. and Canada		Japan
4th Level	E4	139264 kbit/s			97728 kbit/s	J4
		x4	x3		x3
3rd Level	E3	34368 kbit/s	T3 44736 kbit/s		32064 kbit/s	J3
		x4		x7	x5
2nd Level	E2	8448 kbit/s	T2	6312 kbit/s	J2
		x4	x3	x2
			T1c	3152 kbit/s	J1c
				x2
1st Level	E1	2048 kbit/s	T1	1544 kbit/s	J1
		x30	x24
Single Channel			64 kbit/s

1. In 1983 we designed **World' First** **TDM tester** with microprocessor

2. And in 2015 designed the **World Last** T1, E1, Datacom tester using the most advanced technology and the experience of 30 testers we have designed for GbE, SONET, xDSL, PPT, IP, SDH, VoIP, IPTV…
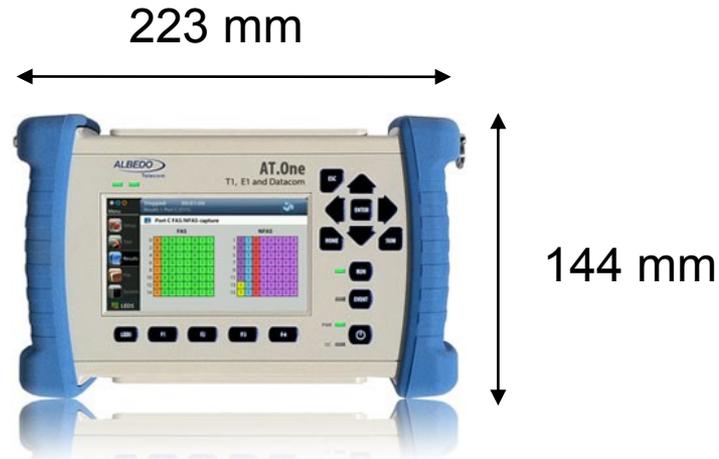
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ALL the **features** you may imagine

| Stopped | 00:00:00 |
| Home > Results > Port A (10/10) | |

Pulse mask — PASS

(%) 120
100
80
60
40
20
0
-20
(ns) 0 100 200 300 400 500

Amplitude

Level (V)	2.346
Undershoot	0.84 %
Overshoot	6.72 %

Time

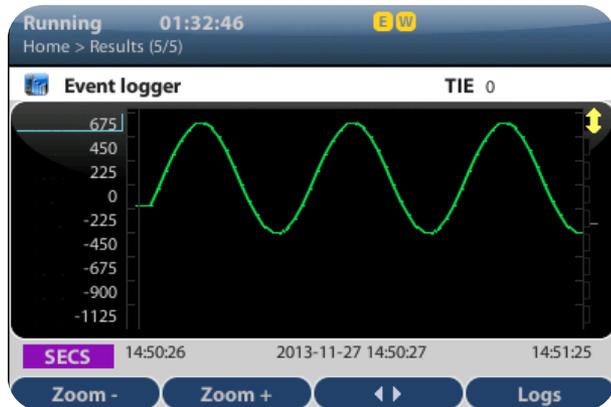|	
Width (ns)	241
Rise (ns)	27
Fall (ns)	35

Pulse -   Eye   Clear

- Full T1, E1 testing
- Jitter and Wander measurements
- Pulse Mask
- Datacom
- Frame Relay
- Voice Frecuency
- Codirectional
- Contradirectional

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AT.One **Markets**

Quality

Maintenance

Measurement

Certification

Synchronization

Installation

Voice

Access

Wireless

TDM

- Operators
- Installers
- Defense
- ISP
- Enterprise
- Airports
- Resellers

Wander

Data

Surveillance

Troubleshooting

Control

Certification

Set up

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- 1 Kg weight
- Battery
- Keyboard + Mouse
- Touch-screen

223 mm

144 mm

Double Port
RJ48, Bantam, BNC
Datacom
SF card

Remote Control Port
2xUSB
Printer

AT.One - Description

TFT color touch screen
(480 x 272 pixels)

i-GUI (intuitive - Graphical User Interface)
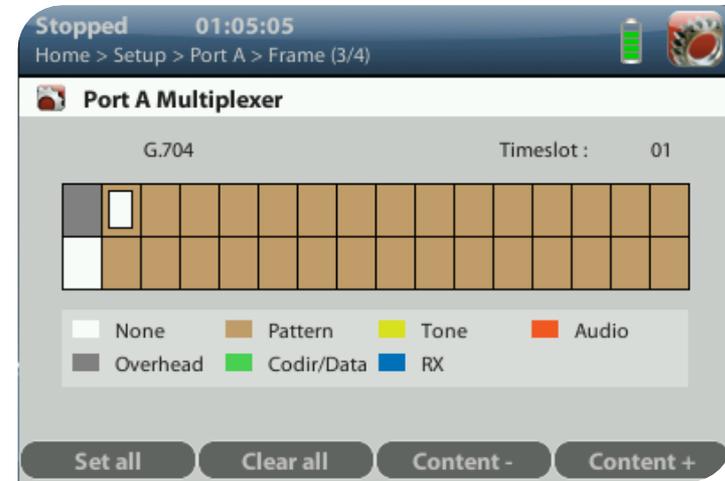
◆ Based on true color

◆ Limited Navigation deep

◆ SoftLEDs © all events at a glance

◆ Functional navigation keys

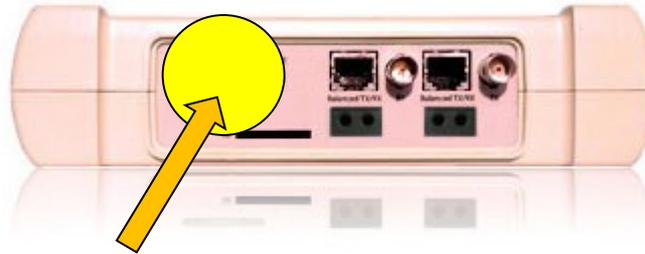◆ Landscape ergonomy

◆ PASS / FAIL

◆ Enhanced File System

| DTE <> DCE	Circuit	Signal	Activity	State
→	103	TD	Active	0
←	104	RD	Idle	0
→	105	RTS	Idle	OFF
←	106	CTS	Idle	ON
←	107	DSR	Idle	ON
→	108	DTR	Idle	OFF
←	109	DCD	Idle	ON
→	113	TTC	Active	ON
←	114	TC	Idle	ON
←	115	RC	Idle	ON
←	141	LL	Idle	OFF

- ◆ Standard CISCO cables: easy replacement
- ◆ No extra hardware or adapters required
- ◆ DTE +DCE for all operation modes

VNC remote control

- ◆ Standard VNC support
- ◆ Centralized management
- ◆ Remote control
- ◆ Multiple standard clients available
  - PC and Labtops
  - Windows and Linux
  - iPhone / iPad
  - Android Mobiles
- ◆ Exactly the same GUI in tester / remote devices

AT.One - **Benefits**
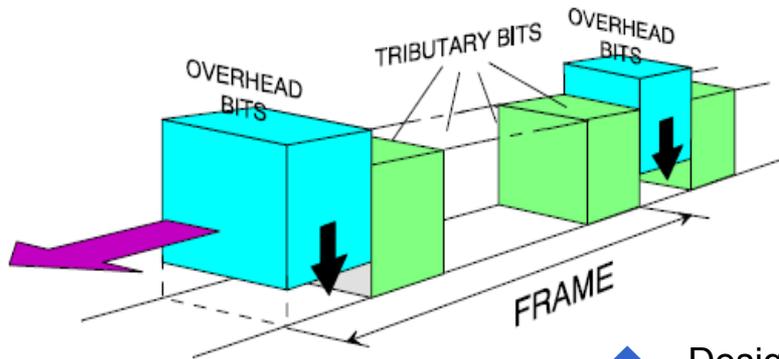
- ◆ Designed in 2015
- ◆ Double Port
- ◆ Hand-held: 1kg
- ◆ Longest battery life
- ◆ All in one: T1, E1, Data, Jitter
- ◆ High value - low cost
- ◆ Enhanced
- ◆ 2xUSB, RJ45,
- ◆ Remote Control with VNC
- ◆ Standard Datacom cables
- ◆ VF test + earphone + microphone

Overpass   O.172

◆ **Jitter Generation and Measurements**

- Jitter level, tolerance, transfer and event detection
- 100% digital based generation and analyzer

◆ **Wander Generation and Measurements**

- TIE, MTIE, and TDEV
- Wander results from 20 to 100 000s
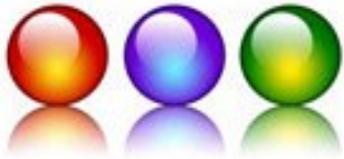
versus

SmartClass

BER 1580

TX130/e+

Why ALBEDO AT.One ?

- ◆ **FIELD OPERATION**: 24h. continuous operation

- ◆ **TOP PERFORMANCE**: because uses 2015 technology

- ◆ **ALL-IN-ONE**: multiple TDM and Analog tecnologies support

- ◆ **REMOTE CONTROL**: from any VNC platform

- ◆ **ACCURATE REPORTING**: for your detailed analysis

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That's all

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