

# AT.2048 E1 hand-held tester



All-in-one : E1 , nx64k, Datacom, Jitter, Wander, Pulse, FRL, VF



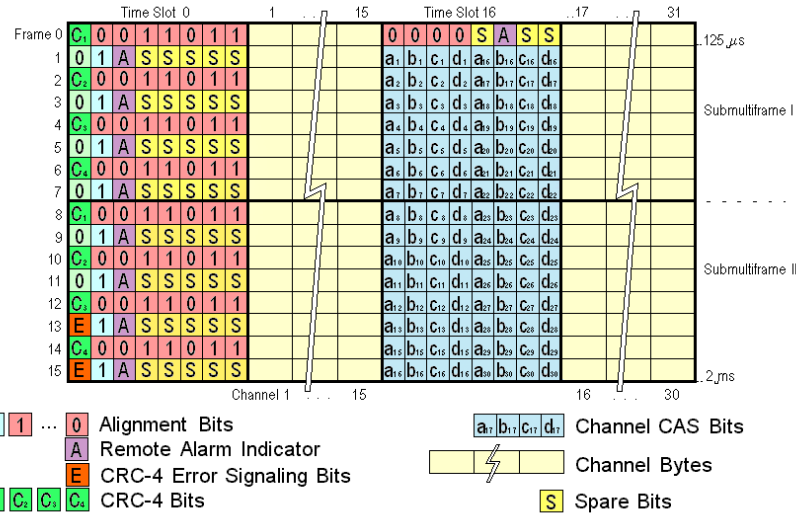
# E1 & Datacom test solution



The **AT-2048** is a tester specifically designed in 2011 for field engineers installing, commissioning and troubleshooting **E1, Datacom, Wander, Frame Relay** services.

# Designed in 2011 in Barcelona

1983

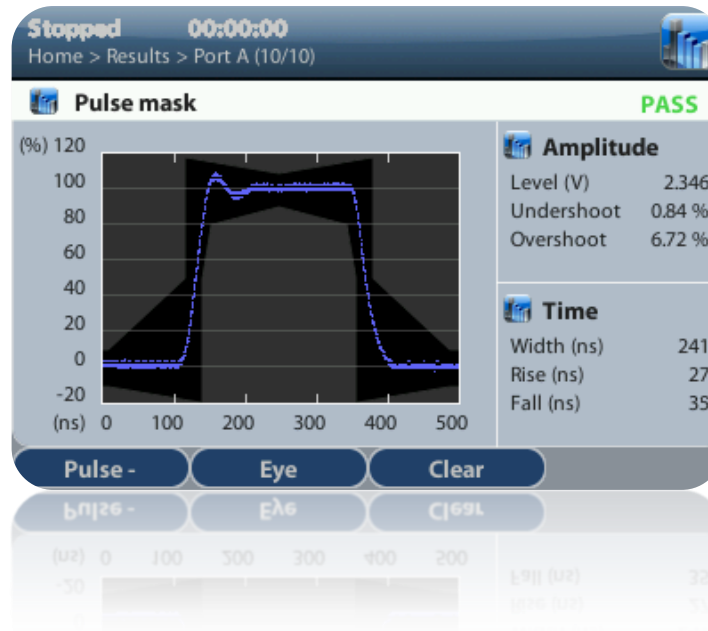


2011



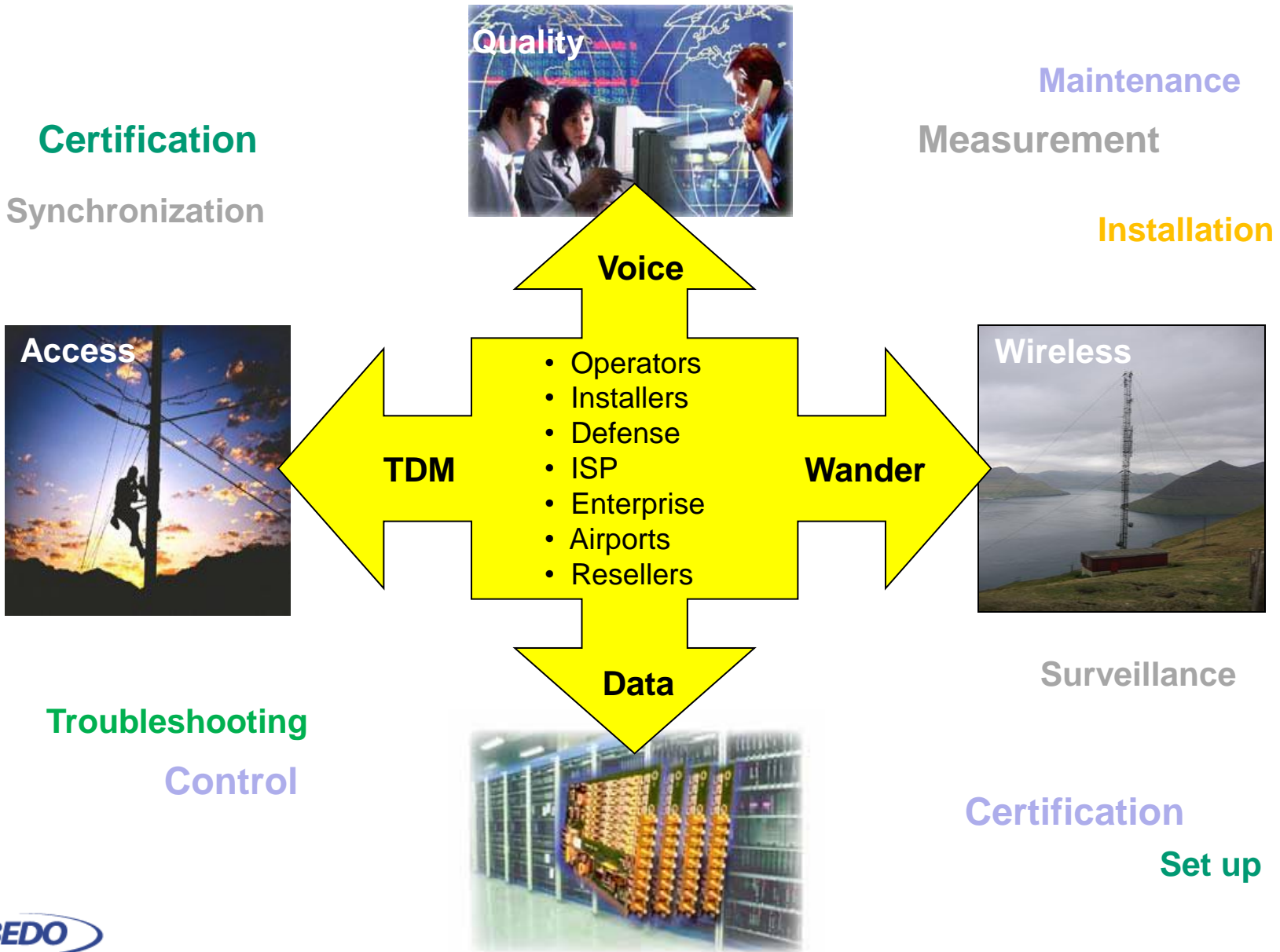
1. In 1983 our engineers designed the **World First E1 tester** with CPU
2. And in 2011 designed the **World Last E1 tester** using the most advanced electronics available and the experience of 23 testers

# ALL the **features** you may imagine



- ◆ Full E1 testing
- ◆ Jitter and Wander measurements
- ◆ Pulse Mask
- ◆ Datacom
- ◆ Frame Relay
- ◆ Voice Frequency
- ◆ Codirectional
- ◆ Contradirectional

# AT.2048 Markets



# Small, smart, **fast**, and 16h job

- 1 Kg weight
- Battery
- Keyboard + Screen



Double Port  
Datacom  
SF card

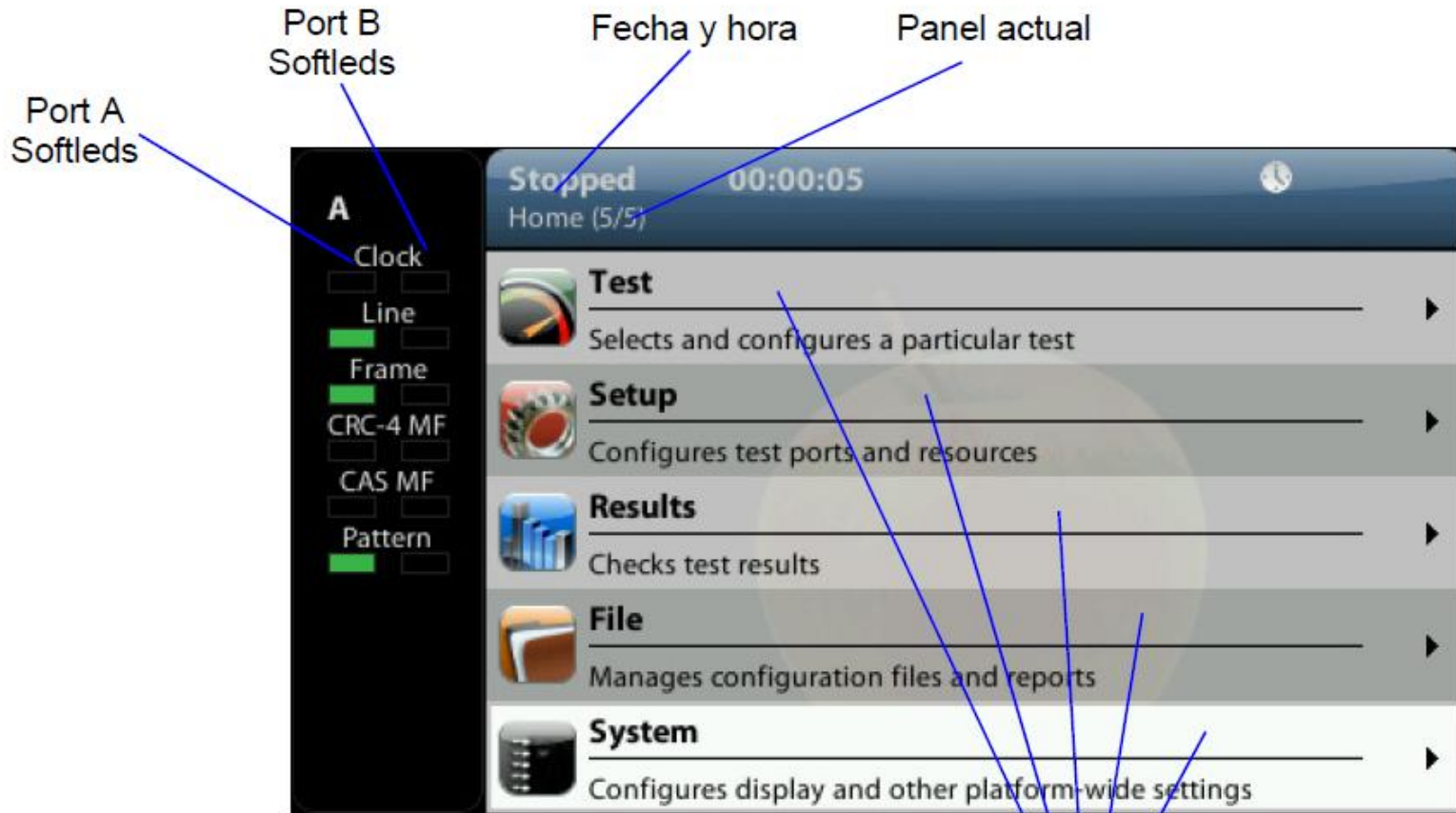


Remote Control Port  
2xUSB  
Printer





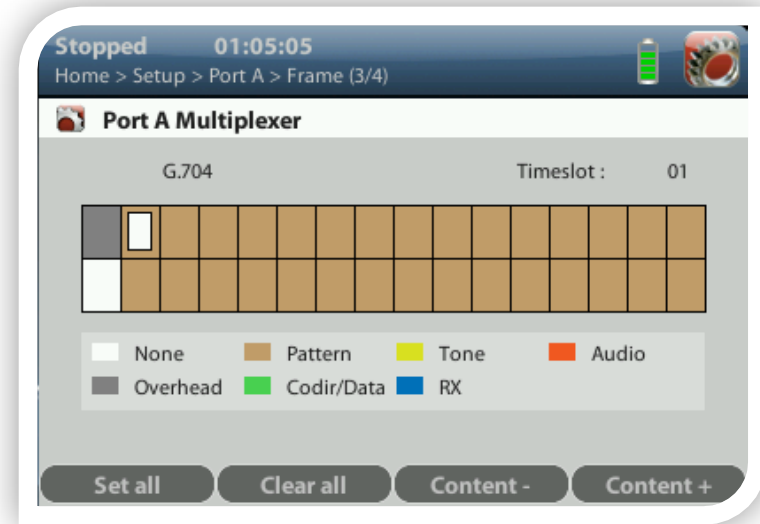
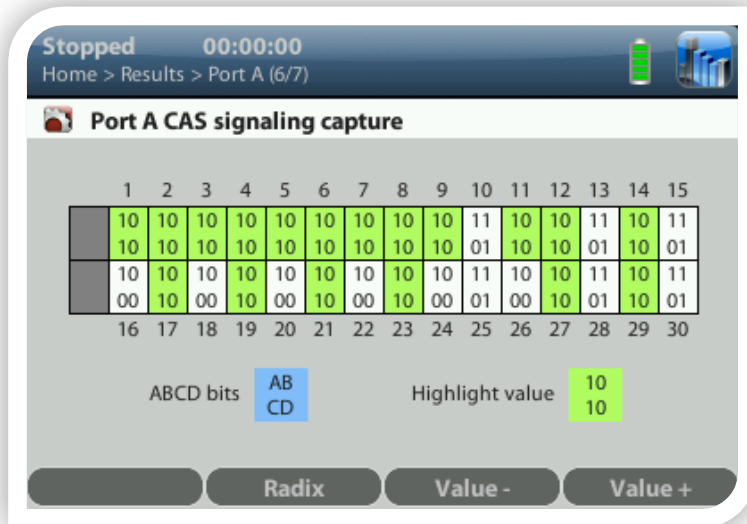
# AT.2048 - Description



TFT color screen  
(480 x 272 pixels)

Menu items

# i-GUI (intuitive - Graphical User Interface)



- ◆ Based on true color
- ◆ Limited Navigation deep
- ◆ SoftLEDs © all events at a glance
- ◆ Functional navigation keys
- ◆ Landscape ergonomony
- ◆ PASS / FAIL
- ◆ Enhanced File System



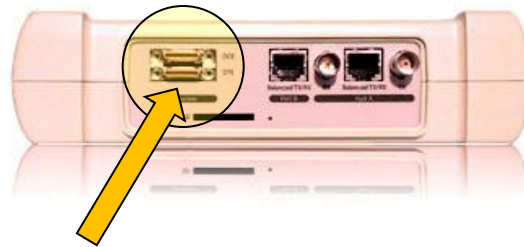
# Datacom: CISCO cables + ALBEDO technology



Stopped 03/01/2000 22:53:26  
Home > Results > Datacom (4/4)

**Circuit Map** V.35

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



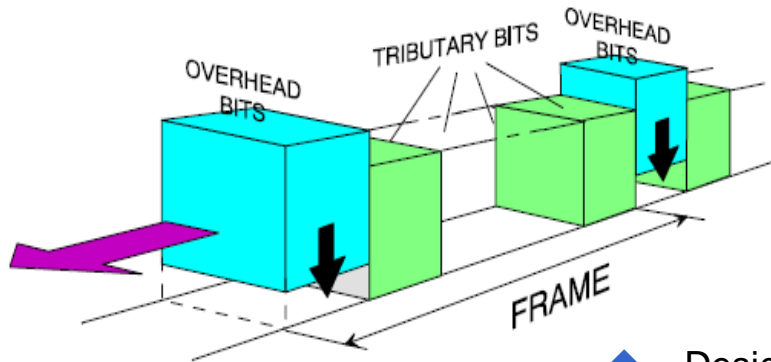
- ◆ Standard CISCO cables: easy replacement
- ◆ No extra hardware or adapters required
- ◆ DTE +DCE for all operation modes

# VNC remote control

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



# AT.2048 - Benefits



- ◆ Designed in 2011 in Europe
- ◆ Double Port
- ◆ Hand-held: 1kg
- ◆ Longest battery life
- ◆ All in one: E1, Data, Jitter
- ◆ High value - low cost
- ◆ Enhanced
- ◆ 2xUSB, RJ45,
- ◆ Remote Control with VNC
- ◆ Standard Datacom cables
- ◆ VF test + earphone + microphone



# Unique: Jitter / Wander measurements



Overpass 0.172

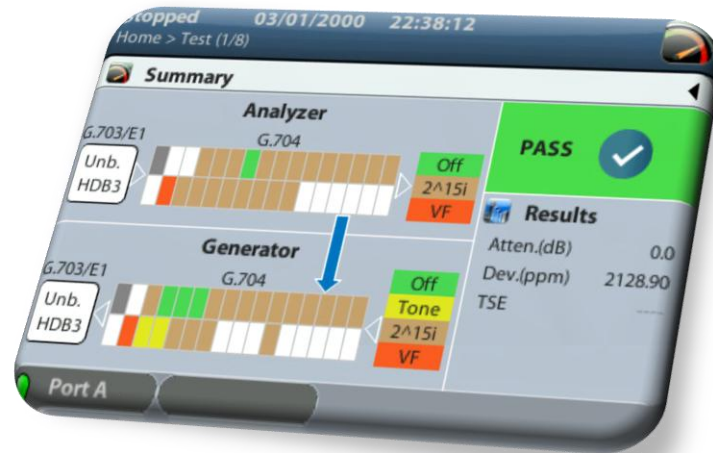
## ◆ Jitter Generation and Measurements

- 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

# AT.2048 vs. Competition (just compare)



versus



# Why ALBEDO AT.2048 ?



- ◆ **FIELD OPERATION:** hand-held (16h. with 2xbatteries)
- ◆ **TOP PERFORMANCE:** because uses 2011 technology
- ◆ **ALL-IN-ONE:** multiple TDM and Analog technologies support
- ◆ **REMOTE CONTROL:** from any VNC platform
- ◆ **ACCURATE REPORTING:** for further analysis



That's all



**ALBEDO**

Telecom

*the Path to Excellence*