



IDEAL NETWORKS

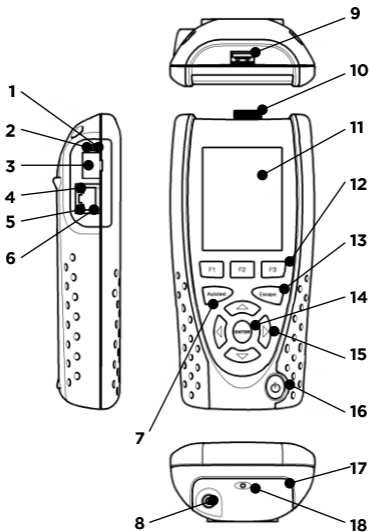
NavITEK IE





Quick Reference Guide 151891 Issue 1

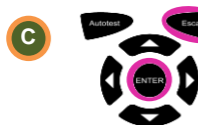
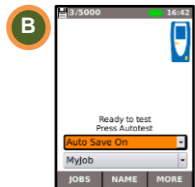
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- 1 Optical link LED
- 2 Optical activity LED
- 3 Optical port (SFP)
- 4 Ethernet LED
- 5 Activity LED
- 6 Cable socket
- 7 Autotest button
- 8 DC in connector
- 9 USB socket
- 10 Wi-Fi adapter
- 11 Touchscreen display
- 12 Function buttons
- 13 Escape button
- 14 ENTER button
- 15 Cursor buttons
- 16 Power button
- 17 Battery module
- 18 Charging indicator LED

Charging Indicator LED (18)	Status
Green	Charging
Off	Charging complete
Flashing	Not charging

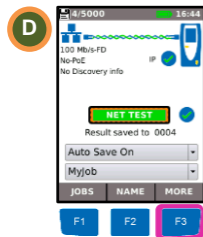
Four Ways to Navigate



Escape - returns to previous screen

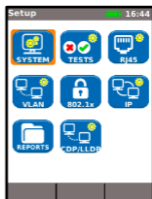


ENTER - accepts selection

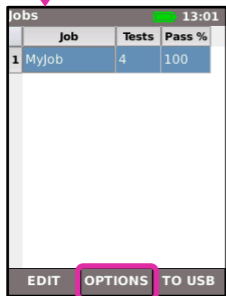
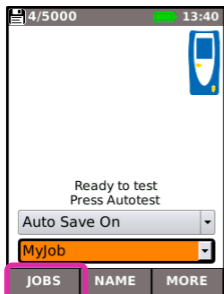


SETUP

F1

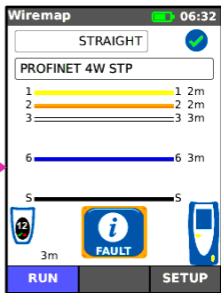
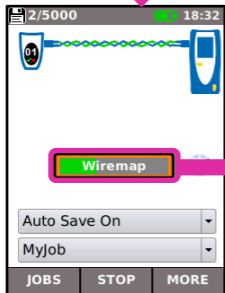
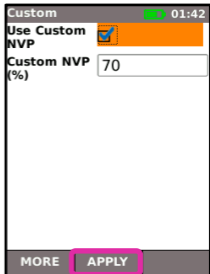
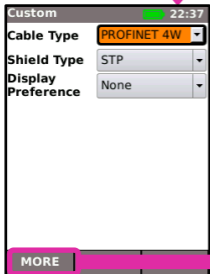
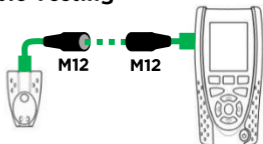


Job Setup

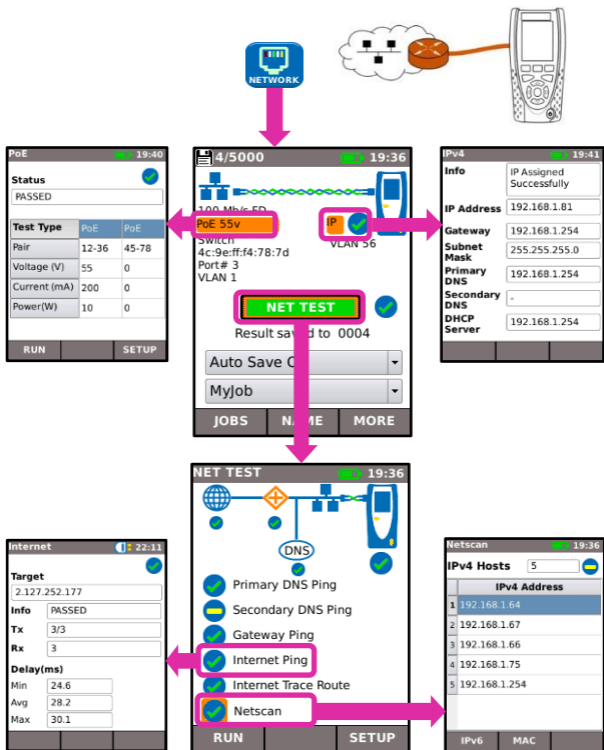


PROFINET Cable Testing

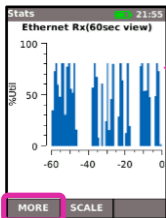
MORE
SETUP



Network Testing over Copper



Network Testing over Fiber



VLAN 00:59

Max Rx Bandwidth (Mb/s)
743.504

Detected VLAN IDs
20, 35

VLAN ID
50

Change VLAN
20

MORE APPLY

Port 18:59

	Port
Speed	100 Mb/s-FD
Duplex	Full
MDI/MDIX	MDI
Signal Lvl	Normal
Polarity	Normal

MORE

4/5000 19:36

Opt 1000 Mb/s
Rx Pwr -4.13 dB
J0:23:47:cb:3b:3f
ProCurve 2910al-24G-P
Port# 1
VLAN -

NET TEST

Result saved to 0004

Save On

TESTS

19:40

System Name: ProCurve
2910al-24G-PoE Switch
System Description: ProCurve
J9146A 2910al-24G-PoE Switch
IP Address: -
Port Address:
00:23:47:cb:3b:3f
Port Description: 1
Capabilities: B
VLAN: -

Optical 12:13

Status
Available

Vendor
AVAGO

Part No.
AFBR-57LSAPZ

Rx Pwr (dBm)
-4.13

Tx Pwr (dBm)
-5.11

Tests 02:32

PING4 PING6

LOOP BLINK

RESET SAVE SETUP

Ping4 03:30

Target
2.127.237.172

Info PASSED

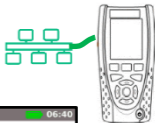
Tx 3/3

Rx 3

Delay(ms)
Min 29.7
Avg 30.1
Max 30.3

RUN SETUP

PROFINET Testing



12/5000 06:39

100 Mb/s-HD
No-PoE IP

20:87:56:64:C3:E1
port-001 Siemens SIMATIC NE
192.168.1.19 VLAN -

4 **PROFINET**

Auto Save On
MyJob

JOB'S SAVE MORE

PROFINET 06:40

Nodes 4

S	IP Address
1	192.168.1.55
2	192.168.1.19
3	192.168.1.4
4	192.168.1.48

DETAILS MAC NODE SETUP

Node Port 06:41

Node: -

Port	Port ID
1	* Siemens, SIMATIC S7, inte
2	* Siemens, SIMATIC S7, Eth
3	Siemens, SIMATIC S7, Eth

PORT STATS PARTNER INFO

Node#1 06:40

Name of Station

IP Address
192.168.1.55

Subnet Mask
255.255.255.0

Gateway
0.0.0.0

MAC Address
28-63:36-e3:82-a8

Type of Station
ET200SP

Device Role

I/F PORTS

Statistics 06:41

Node: - Port Info

Link Status
Up

Link Up Time
4 days, 21:37:17.20

Link Speed (Mb/s)
10

MTU
1,518

Link Type
ethernetCsmacd

Link Description
Siemens, SIMATIC S7, Ethernet P

STATS INPUT

Partner 06:41

Node: -

Local Port ID
1

Local Port MAC Address
28-63:36:e3:82-a9

Partner Port MAC Address

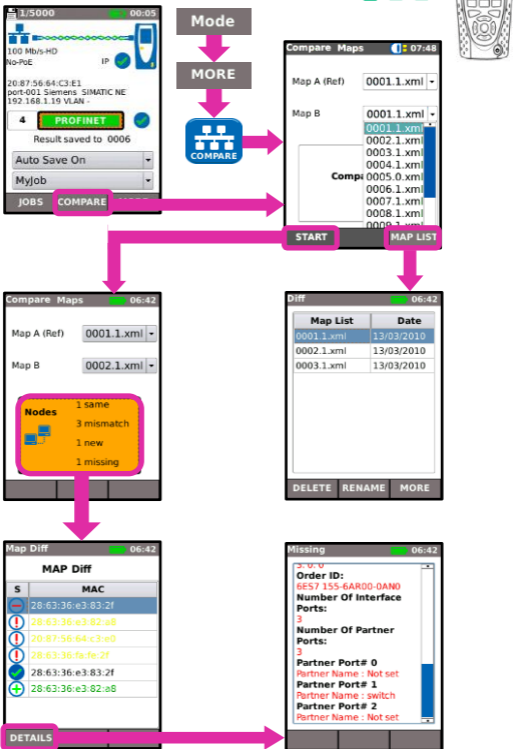
Partner Name
switch

Partner IP Address
192.168.1.19

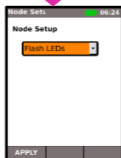
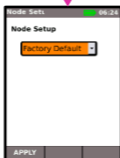
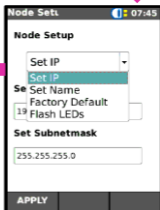
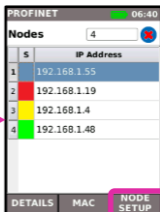
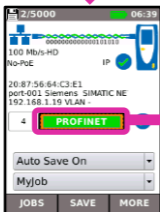
Partner Description
Siemens, SIMATIC NET, SCALA

Partner Port Description

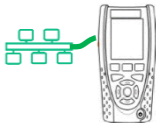
PROFINET NetMAP Comparison



PROFINET Node Setup



PROFINET Event Log



PROFINET 06:40

Nodes 4

S	IP Address
1	192.168.1.55
2	192.168.1.19
3	192.168.1.4
4	192.168.1.48

DETAILS MAC NODE SETUP

Node #1 00:28

Name of Station testing te
et200sp50

IP Address
192.168.1.50

Subnet Mask
255.255.255.0

Gateway
0.0.0.0

MAC Address
28.63:36:e3:82:a8

Type of Station
ET200SP

Device Role

I/F PORTS ERROR LOGGING

Error Log 00:29

Error Event Logging

Duration 1 Hour

Node Name 1 Hour
et200sp50 24 Hours
48 hours

Node IP Address
192.168.1.50

Time Remaining 10:23:10

Event Count 36

Event Time
March 1 2010 00:29 41

START ERROR DETAILS SAVE TO USB

Error Log 00:26

Error Event Logging

Duration 24 Hours

Node Name
et200sp50

Node IP Address
192.168.1.50

Time Remaining 10:23:10

Event Count 36

Event Time
March 1 2010 00:25 51

STOP ERROR DETAILS

Error log 00:27

Error Event Details

I/F Port 1

Event Time
March 1 2010 00:27 28

Input Packets 1379989

Input Errors 8

Output Packets 1256987

Output Errors 12

Node Status Up

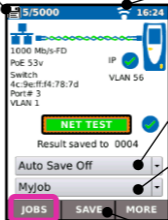
CSV
File



5 tests are saved /
memory capacity
is 5000 tests

Test Reports

PROFINET Nodes		
Node Network		
Name of Station	MAC Address	
et200sp50	28-62-36-e2-82-a8	
switch	20-87-56-64-c3-w0	
wi200sp	28-62-36-w3-83-2f	
s7-1200pic	28-62-36-fa-fe-2f	
Node Details		
Name of Station	Type of Station	
et200sp50	ET200SP	
switch	SCALANCE XB-200	
wi200sp	ET200SP	
s7-1200pic	S7-1200	
Node Hardware		
Name of Station	Serial Number	
et200sp50	S C-IP5002092017	
switch	SWP1150047	
wi200sp	S C-IP5003082017	



Indicates Wi-Fi
is enabled

Select result
saving mode

Select current
Job

Save the result
manually when
Auto Save is Off

View
result



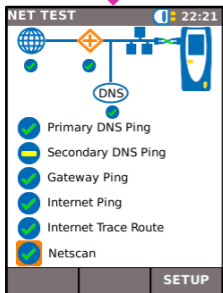
Select job

Select result



OR Save
report to
USB

OR Smartphone
downloads reports using
IDEAL AnyWARE™
app. for Android™ /
Apple



TO USB



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Menu Map

