

# Wire Identification and Rearrangement System

APICS III Automatic Pair Identifier and Cable Status System/Single Pair Transfer Set



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The Dynatel™ APICS III System is a single pair transfer set and pair identifier which provides a visual indication of cable pair number and faults.

The APICS III system consists of a CO (Central Office) unit and field unit. Each unit is shipped with Cordura™ carrying case. The CO unit is the same for all applications with the feature differences on the field unit only.


APICS III has been designed to permit several users simultaneous access to a single CO unit. This can help to speed up some tagging jobs and help make better use of resources.



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## Features for APICS III System

Features	3121	3122	3222	3322
Multiple pair access board	• (100-pr. blocks)			
Pair ID and light tag (LTB)	• (Pair ID)	•		•
Pair status		•		•
Special Circuit Transfer			•	•
Basic Fault Analysis				•
Load Coil Detector				•

**Product Referral Generator**

MS<sup>2</sup>™ Modules

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Scotchlok™ Connectors

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Specifications for the APICS III Automatic Pair Identifier and Cable Status System

Product Number	3121	3122	3322	3222
Size H x W x D in. (cm)	17.5 x 7.5 x 14.5 (44.5 x 19.1 x 36. 8)	7.0 x 10.5 x 7.5 (17.8 x 26.7 x 19.0)	7.0 x 10.5 x 7.5 (17.8 x 26.7 x 19.0)	7.0 x 10.5 x 7.5 (17.8 x 26.7 x 19.0)
Weight lbs. (kg)	16 (7.2)	6 (2.7)	6 (2.7)	6 (2.7)
Operating temperature	-20° to 122°F (-10° to 50°C)	-20° to 122°F (-10° to 50°C)	-20° to 122°F (-10° to 50°C)	-20° to 122°F (-10° to 50°C)
Storage temperature	-40° to 131°F (-40° to 55°C)	-40° to 131°F (-40° to 55°C)	-40° to 131°F (-40° to 55°C)	-40° to 131°F (-40° to 55°C)
Relative humidity	95%	95%	95%	95%
Power source	12 Vdc from AC adapter	5 “C” cells (alkaline or rechargeable and/or 12 Vdc from AC adapter	5 “C” cells (alkaline or rechargeable and/or 12 Vdc from AC adapter	5 “C” cells (alkaline or rechargeable and/or 12 Vdc from AC adapter
Impedance	>1 Megohm dc, >100 Kohms ac during measurement = 1 Kohm to ground during transmit	>1 Megohm dc, >50 Kohms ac during measurement; >100 Megohms dc, >1 Megohms ac during idle & off = 1 Kohm to ground during transmit	>1 Megohm dc, >50 Kohm ac during measurement; >100 Megohms dc, >1 Megohms ac during idle & off = 1 Kohm to ground during transmit	>1 Megohm dc, >50 Kohm ac during measurement; >100 Megohms dc, >1 Megohms ac during idle & off = 1 Kohm to ground during transmit
Loop current range	—	—	0 to 75 mA dc (Rin=430 ohms) ±2%	—
Opens range	—	—	Up to 50,000 ft. ±10% (16000 m ±10%)	—
Resistance range	—	—	0 to 10 Kohms ±2%; 100K to 1 Megohm ±2%; 1 Megohm to 10 Megohms ±10%; 10 Megohms to 20 Megohms ±20%	0 to 10 Kohms ±2%; 100K to 1 Megohm ±2%; 1 Megohm to 10 Megohms ±10%; 10 Megohms to 20 Megohms ±20%
Transfer capacity	—	—	Pair at a time	Pair at a time
Trace tone	—	—	577 Hz Simplex or Metallic -1 dB ±0.5 dB into 600 ohms, T-G, R-G Typical	577 Hz Simplex or Metallic -1 dB ±0.5 dB into 600 ohms, T-G, R-G Typical
Voltage accuracy	—	—	0 to 100V ±2%; 100 to 150V ±3%	0 to 100V ±2%; 100 to 150V ±3%

Ordering information for the APICS III Automatic Pair Identifier and Cable Status System

Product Number	Packaging	Minimum Order	UPC 054007-
3121 APICS III CO Unit	1/cs.	1 each [458930]	92349
3122 APICS III Field Unit	1/cs.	1 each [458931]	92348
3322 APICS III/SCT Field Unit	1/cs.	1 each [491846]	92347
3123 APICS III System	1-3121, 1-3122/cs.	1 each [458929]	92410
3124 APICS III System	1-3121, 1-3322/cs.	1 each	92413
3125 SCT System	1-3121, 2-3322/cs.	1 each [491845]	92412
3222 SCT Unit	1/cs.	1 each [491847]	92346
3126 SCT System	2-3222/cs.	1 each [491848]	92411