



## Datasheet for VDV II

### Test Ports (all versions):

- 6 Pin RJ12 socket for RJ11, RJ12, RJ14 or RJ25 Voice cable testing
- 75  $\Omega$  F-Coax socket for Video cable testing
- 8 Pin Shielded RJ45 socket for Data cable testing

**Display:** VDV II: 2.7" Custom Monochrome LCD  
 VDV II Plus and Pro: 2.9" Custom Monochrome LCD Backlight with adjustable timeout

### Wiremap (all versions):

- Pins 1-6 for Voice
  - Shield + pin 1 for Video
  - Shield + pins 1 – 8 for Data)
1. Wiring detected (using a Remote Unit)
    - Correct connections
    - Miswire
    - Crossover (uplink cable) – does not report fail
    - Open circuit by pair
    - Open circuit shield
    - Short circuit by pin
    - Short to shield
    - Split pairs (minimum length: 0.5m of CAT5 2, 3 or 4 pair cable)
  2. Maximum cable length 300m of 26AWG single pair

### Length Measurement:

	VDV II	VDV II Plus	VDV II Pro
Length to open circuit pair	No	Yes	Yes
Length to short circuit pair	No	No	Yes
Length units	-	m / ft	m / ft
Capacitance per unit length range	-	30 to 130 pF/m 10 to 40 pF/ft	-
NVP range	-	-	59% to 89%
Minimum calibration cable length	-	15 m 50 ft	15 m 50 ft
Accuracy (correct pF/m or NVP set)	-	$\pm 5\% \pm 0.5m / 1.5ft$	$\pm 5\% \pm 0.5m / 1.5ft$
Resolution	-	0.1m / 0.5 ft	0.1m / 0.5 ft
Length range	-	0.3 - 450m 1 - 1476ft	0.3 - 450m 1 - 1476ft



### Voltage Detection and Measurement:

	VDV II	VDV II Plus	VDV II Pro
Maximum withstand voltage (Test Unit)	60V (for 10 secs max)	60V (for 10 secs max)	60V (continuous)
Maximum withstand voltage (Termination)	10V	10V	10V
Voltage warning	>-2V	>-2V	>-2V
Voltage measurement	No	No	Yes
Accuracy	-	-	± 1V
Resolution	-	-	± 1V

### Service Detection (VDV PRO only)

Port	Service	Voltage	Pins
VOICE	PBX	>30v.	3-4 or 2-5
DATA	PoE	>30v	1/2 - 3/6 or 4/5 -7/8
	PBX	>30v.	4-5
	ISDN	>30v.	3/6 - 4/5

### Tone Generator:

	VDV II	VDV II Plus	VDV II Pro
Number of tones	4	8	8
Applied to	All pins Any single pin Any pair	All pins Any single pin Any pair	All pins Any single pin Any pair
Level (Peak to Peak)	-5V	-5V	-5V

### Ethernet Operation

	VDV II	VDV II Plus	VDV II Pro
Ethernet Device Detection	Yes	Yes	Yes
Hub Blink Function	Yes	Yes	Yes
Ethernet Service Detection	No	No	Line Rate (10Mb/s, 100Mb/s, 1Gb/s) Full/Half Duplex

**Battery (all versions):** Battery type - 9V Alkaline. Autonomy (backlight off) - 20hours minimum continuous wiremap operation.

### Weight and Dimensions:

	VDV II	VDV II Plus	VDV II Pro
Dimensions (including Dual Port Remote Unit)	160 x 76 x 36 mm	160 x 76 x 36 mm	160 x 76 x 36 mm
Weight (including Dual Port Remote Unit and battery)	0.26 Kg	0.26 Kg	0.26 Kg
Shipping dimensions	213 x 84 x 44 mm	278 x 195 x 59 mm	278 x 195 x 59 mm
Shipping weight	0.3 Kg	0.8 Kg	0.8 Kg



## Environmental and Approvals:

Temperature: Operating: 0°C to 50°C  
Storage: -20°C to 70°C

Relative Humidity: Min: 5%  
Max: 90% non-condensing

Protection: IP20

EMC: EN 55022:2006 / A1:2007  
EN55024:1998 / A1:2001 / A2:2003

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