

flexiprobe™ P540c

The flexiprobe P540c is the most powerful Pearpoint controller ever designed, providing intuitive menus and dedicated function buttons to guide you quickly through your survey.

Built in templates enable you to create reports complying with multiple standards, and on-board WiFi can connect to an access point such as a mobile phone, allowing you to send the resulting report via email or to Dropbox, all while still on site. Or simply copy to a flash memory stick in one of the three USB ports.



Easy to use, efficient to own

The P540c offers an intuitive graphical user interface with built in user manual, a full size QWERTY keyboard (regional options available) and a choice of 6 different languages at launch. Context-sensitive, ATM-style buttons on both sides of the display provide access to the easy-to-use menus, while an additional 7 buttons offer direct control of the most-used functions.

flexiprobe P540c boasts a 10.1", 1280x800 pixel, high definition display for sharp, crisp images and 128Gb internal memory for more than 2 months' video recording in typical usage¹. A ruggedized, IP55-rated case and built in rechargeable battery provide reliability and usability in most challenging environments.

Reporting on site

flexiprobe P540c incorporates reporting templates to comply with multiple standards, such as WRC's MSCC3, 4 or 5 or your own. Reports are available to share as soon as you have completed your survey.

WinCan-compatibility² is also an option, and this can be purchased at the same time as the flexiprobe P540c system, or later as your needs develop.

Fast, intuitive inspection

Fast boot-up time, 10 context-sensitive buttons to the sides of the display and a further 7 buttons for frequently-used tasks create an inspection system that is quick to set-up and easy to use. Intuitive menus guide you through your survey without any complicated keyboard shortcuts to remember. Share the resulting report with customers or the office in just a few key presses, allowing you to move quickly onto your next job.

6 menu languages are available at launch (English, French, German, Spanish, Dutch and Simplified Chinese), with further languages to be added later. Choose between a full QWERTY keyboard or one with a layout to match your preferred menu language. All are rated with IP55 ingress protection.

¹ Typical usage is given as 100 minutes of videoing per day for 5 days per week

² Contact Pearpoint for availability of this feature.
May require a separate licence from WinCan

Summary specifications

P540c Controller

Power supply	Mains Input	100-240VAC, 50-60Hz, 1.7A
	DC Output	16V, 3.75A, 60W
Input power requirements		10-30V, 60W
Battery capacity	Internal Li-Ion Battery (4S2P)	14.68V, 6.4Ah (93.95Wh)
Battery run-time	Up to 1 day's typical usage, 7.5hrs view only/5hrs continuous recording*	
Battery level indication	5 LEDs in handle (user activated) and on-screen symbol	
Charging Status	2 LEDs	
WiFi Status	1 LED and on-screen symbol	
Display	10.1", 1280x800 transmissive HD color TFT	
Storage	Integral 128Gb and support of USB flash storage	
Recording formats	Video: H.264. Audio: MP3. File format: MP4	
Connectivity	USB 2.0 (x3), HDMI video out, Analog video in (PAL/NTSC), Headphones out, Microphone in, Rod/Camera connectivity and 802.11 b/g/n WiFi	
Environmental Protection	P540c controller	IP55
	Power supply / charger	IP54 rated for indoor use
Temperature	Storage	-4°F to 176°F / -20°C to +80°C
	Operating	14°F to 122°F / -10°C to +50°C
	Charging	32°F to 104°F / 0°C to +40°C
Fuse rating	5A	
Dimensions	17.5 x 15.2 x 6.1" / 445 x 385 x 155mm	
Weight	16lb / 7.25kg	
Construction	High impact ABS and powder-coated, zinc-plated mild steel	

*May vary depending on power management settings chosen, ambient conditions, accessories attached, recording time and other factors

Rods and Reels	P541 Plumbers	P541 Mini	P542 Reels	P543 Reel
Dimensions	22.4" x 16.9" x 10.6" 570 x 430 x 269mm	22.4" x 16.9" x 10.6" 570 x 430 x 269mm	33.5" x 29.5" x 16.5" 850 x 750 x 420mm	32.0" x 46.0" x 18.7" 813 x 1168 x 475mm
Weight	21lbs / 9.4 kg 25lbs / 11.2kg	24lbs / 11kg	40lbs / 18.2 kg 55lbs / 25kg	81.6lbs / 37kg
Construction	Powder-coated tubular steel frame			
Rod	100' / 30m 200' / 60m	115' / 35m	200' / 60m 400' / 120m	500' / 150m

Cameras	1"/25mm camera	1 1/4"/32mm self-levelling camera	2"/50mm self-levelling camera
Dimensions	1" x 1.52" / 25.4 x 38.7mm	1.23" x 2.6" / 31.24 x 66mm	1.89" x 2.87" / 48 x 72.8mm
Weight	0.1lbs / 0.06kg	0.4lbs / 0.18kg	0.8lbs / 0.36kg
Construction	Stainless steel / polycarbonate	Stainless steel/sapphire glass/polycarbonate	
Power	1.8W	1.3W	3.8W
Environmental	IP68 to 330' (100m) / 11bar	IP68 to 230' (70m) / 7bar	IP68 to 330' (100m) / 11bar
Temperature	Storage: -4°F to 176°F / -20°C to +80°C Operating: 14°F to 122°F / -10°C to +50°C		
Focus	Manually adjustable	Fixed	Manually adjustable
Focal range	10mm to ∞	Fixed	10mm to ∞
Lighting	Ultra bright white LEDs		
LED luminance	≥ 75lm	≥ 150lm	≥ 208lm
Active pixels (HxV)	656 x 492 NTSC 768 x 576 PAL	640 x 480 (NTSC) 640 x 576 (PAL)	768 x 492 NTSC 765 x 582 PAL
Horizontal resolution	≥ 460TVL	≥ 420TVL	≥ 460TVL



flexiprobe P540c systems include as standard:

- flexiprobe P540c controller.
- Choice of NTSC/PAL color camera and 512/640Hz flexisonde:
 - 1" (25mm) camera, skid ball, universal skid set and sonde.
 - 1 1/4" (32mm) self-levelling camera and skid.
 - 2" (50mm) self-levelling camera, skid ball, universal skid set and 1.4" (35mm) sonde.
- Choice of pushrod reels:
 - 100' (30m) or 200' (60m) P541 Plumbers reel.
 - 115' (35m) P541 reel.
 - 200' (60m) or 400' (120m) P542 reels.
 - 500' (150m) P543 reel.
- Controller swivel mount (Optional for the P541 plumbers reel).
- Mains power supply/charger, IP55 keyboard and Pearpoint tool bag

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