

PEARPOINT®

OPTICON  
Benelux

# flexiprobe™ P540c

Portable video inspection system.  
Comprehensive. Convenient. Connected.



SPX®



# Pearpoint's flexiprobe P540c<sup>®</sup>

## Welcome to a Connected World

The flexiprobe P540c system simplifies your operations by automatically creating a survey report, allowing you to concentrate on your inspection tasks.

Share your reports quickly and easily via email or the Dropbox file sharing service.\*

Use GraniteNet software to integrate the Pearpoint flexiprobe P540c to your asset inspection, decision support, and work management program.

### flexiprobe P540c systems – easy to use, efficient to own

- Powerful controller provides a comprehensive and intuitive user interface, simple menus and dedicated function buttons.
- Incorporates reporting templates to comply with multiple standards to meet most needs:
  - Share MSCC3, 4 and 5-compliant reports as soon as you have completed your survey.
  - WinCan compatible option<sup>†</sup> – can be purchased with flexiprobe P540c, or later.
- Built-in rechargeable batteries provide up to 7.5 hours usage. Charge on the move for longer use time.
- Ruggedized case and IP55 rating provide reliability and usability most challenging environments.

\*WiFi access point required, such as mobile phone, tablet or dongle.

<sup>†</sup>May require a separate licence from WinCan.



**Reliability where you need it**





## Connectivity aiding productivity

- Create reports:

- Basic<sup>1</sup>
- MSCCx<sup>2</sup>
- WinCan<sup>3</sup>



- Wi-Fi connection



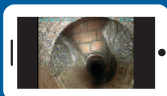
- USB



- Email directly to client/manager or share to DropBox using wireless hotspot connection to phone



- Stream video to local device<sup>3</sup>



**Notes:**

- 1 Basic. Reports include your observations and remarks
- 2 MSCCx. Reports created using condition codes from WRc MSCC version 3, 4 or 5
- 3 Contact Pearpoint for details and availability

# Simpler, Faster, Smarter

The flexiprobe P540c system is managed by the most powerful and intuitive Controller ever designed by Pearpoint. A quick boot-up, an intuitive user interface and a high definition 10.1" TFT display, the P540c lets you concentrate on the job in hand.

## Time on site is time well spent

The P540c Controller features a high capacity internal Lithium-Ion battery, providing power for up to a full day's typical usage. Also on board is 128Gb of no-moving-parts memory, sufficient for over 90 hours of video recording.

## Reports

An MSCC-compliant report will be ready to share as soon as your survey is completed, using the condition codes of your chosen standard. Or, for those surveys that don't require an MSCC-compliant report, flexiprobe P540c can do that for you too.

On-board WiFi connectivity allows you to use your communications device or dongle as a hotspot, letting you share your survey with your customer, manager or accounts department, creating productive time for you.

## Video streaming

Share the flexiprobe P540c display with a compatible device such as your customer's phone or your colleague's tablet.<sup>3</sup>





# Fast, intuitive inspection



## Spend your time surveying, not computing

- Short boot-up time to get you inspecting, not waiting
- Menus in multiple languages
- Context-sensitive buttons on both sides of the display guide you through your survey – no complex menus to remember
- Dedicated buttons for frequently-used tasks, including “Record”, “Make an Observation” and “Count reset”
- Full QWERTY keyboard with IP55 ingress protection (regional layouts also available)

## Reporting

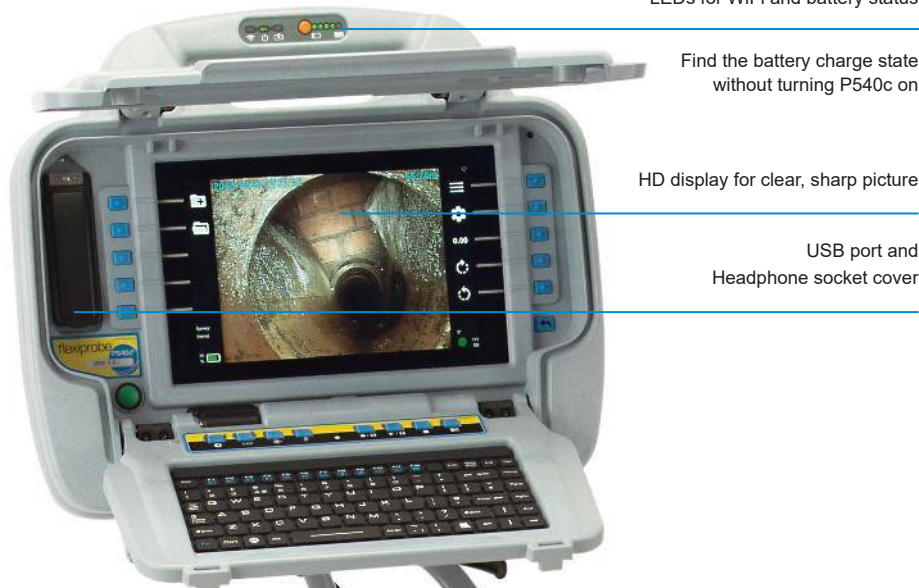
### Multiple standards: meeting both your and your customers' requirements

- flexiprobe P540c offers a suite of customisable report options, and the WRc's MSCC3, 4 and 5 condition codes.
- Reports are exported as docx documents, which allow editing and customisation on a PC, and xml files are also available for MSCC5-compliant reports.
- Optional WinCan export license available, can be upgraded in the field\*.
- Report templates and condition classification codes can be modified to create reports adhering to your own standards.
- On-board connectivity capabilities allow reports to be created and shared within seconds of completing your video inspection survey. Exporting to a USB stick, in any of the 3 available ports, is also available.

\*Contact Pearpoint for details and availability





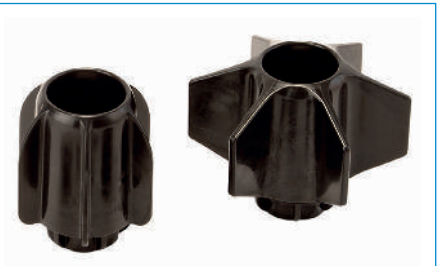


IP55, open and closed



Convenient cable-tidy hooks

Ultra-flexible Plumbers rod



Each flexiprobe P540c system comes complete with a universal easy-fit skid set, that allows the 1" (25mm) camera to be used in pipes up to 4" (100mm) diameter and the 2" (50mm) camera in pipes up to 6" (150mm) diameter. Skids can be replaced in seconds, with no tools required. Additional standard equipment may vary due to regional variations.



## Options



### A range of rods to suit your application

From 100' (30m) for residential and small commercial plumbing use, right up to 500' (150m) for specialist applications.



### Ultra-tough high resolution cameras

Stainless steel construction in a compact design. 2 choices: 1" (25mm) for small pipes and 2" (50mm) for larger diameter applications. High resolution sensors and ultra bright white LEDs ensure a clear picture, even when submerged in water up to 330' (100m) deep.

### Inspect pipes from 1.5"/38mm to 12"/300mm



P543 Reel

P542  
400'/120m Reel

P542  
200'/60m Reel

P541 Reel

P541  
Plumbers  
Reel



### Sonde and locator combination

Combine your P540c flexiprobe system with a suitable locator to pinpoint your camera's location and depth, providing a valuable tool for repairs and tracing alike. The RD7200 locator is capable of detecting 4 different sonde frequencies and is specifically designed for the water industry, and is capable of precisely locating a sonde even in electrically noisy areas.



### flexitrac™ P550c compatible

The flexitrac P550c controller is compatible with the full range of flexiprobe P540c/P340 cameras, reels, sondes and accessories providing unmatched modularity from the small 100' (30m) Plumbers system to the 1000' (305m) motorized P356 steerable crawler system.





## flexiprobe C540c systems include as standard:

- flexiprobe C540c controller
- Choice of colour camera and 512/640Hz flexisonde:
  - 1" (25mm) camera, skid ball, universal brush and skid kit and sonde.
  - 2" (50mm) self-levelling camera, skid ball, universal brush and skid kit and 1.4" (35mm) sonde.
- Choice of pushrod reels:
  - 100' (30m) or 200' (60m) C541c Plumbers reel.
  - 115' (35m) C541c reel.
  - 200' (60m) or 400' (120m) P542 reels.
  - 500' (150m) C543c reel.
- Controller swivel mount (Optional for the C541c plumbers reel).
- Mains power supply/charger, IP55 keyboard and CUES tool bag

## 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 Power supply/charger	IP55 IP54 rated for indoor use
Temperature	Storage Operating Charging	-4°F to 176°F/-20°C to +80°C 14°F to 122°F/-10°C to +50°C 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	2"/50mm self-levelling camera
Dimensions	1" x 1.52"/25.4 x 38.7mm	1.89" x 2.87"/48 x 72.8mm
Weight	0.1lbs/0.06kg	0.8lbs/0.36kg
Construction	Stainless steel/ polycarbonate	Stainless steel/sapphire glass/polycarbonate
Power	1.8W	3.8W
Environmental	IP68 to 330' (100m)/11bar*	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
Focal range	10mm to ∞	10mm to ∞
Lighting	Ultra bright white LEDs	
LED luminance	≥ 75lm	≥ 208lm
Active pixels (HxV)	656 x 492 NTSC 768 x 576 PAL	768 x 492 NTSC 765 x 582 PAL
Horizontal resolution	≥ 460TVL	≥ 460TVL





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