

Mitcorp

INDUSTRIAL VIDEOSCOPE

X SERIES



PRSL 300T PIPE CAMERA
PRM 2830 PIPE CAMERA

X600
PLUS
VIDEOSCOPE

Multiple Applications With One Host

- Versatile and lightweight design for inspections in hard-to-reach or hazardous environments.
- Compatible with up to multiple waterproof probes for broad inspection coverage across multiple industries.
- Ideal for manufacturing, HVAC, plumbing, building maintenance, and automotive applications.
- Multiple probe options including small-diameter and articulating designs provide clear and detailed visibility of components.
- Flexible probe construction allows access through narrow openings without disassembling equipment.
- The X600 Plus 1-meter drop-tested for superior durability and reliability in demanding industrial environments.
- Equipped with a 512 Hz transmitter for precise location identification during pipe inspections. This function is fully compatible with the PRSL300T 30 m pipe camera for extended range applications.
- The PRSL300T camera tip features a mechanical self-leveling head to ensure the inspected image remains perfectly level.
- The operating system also provides real-time tilt angle feedback for improved orientation awareness.



ONE HOST MULTIPLE FORM FACTOR



PRSL300T

30.0mm —● 30 Meters, FRP

- X600 Plus host.
- 30 meters flexible FRP probe.
- Self leveling camera.
- Built-in 512 Hz sonde transmitter.
- Water proof.
- Pass through 90 degrees angles



X600 PLUS

4.9mm - Dual View, Semi Rigid —● 3 Meters

—● 1 Meter

4.9mm - Dual View, S.Steel —● 3 Meters

—● 1 Meter

4.2mm - Front View, 4 Way, S.Steel —● 5 Meters

—● 3 Meters

3.9mm - Front View, 4 Way, S.Steel —● 2 Meters

—● 1.5 Meters

3.9mm - Front View, 2 Way, S.Steel —● 1 Meter



PRM2830

28.0mm —● 30 Meters, FRP

- X600 Plus host.
- 30 meters flexible FRP probe.
- Water proof.
- Pass through 90 degrees angles.

PRSL 300T Pipe Camera

- 5" Touch Screen
- 30 Meters Push Probe
- Diameter Of 28.8mm Push Camera Tip
- Wi-Fi Image Share
- Mechanical Self Leveling Camera Tip
- OS Auto & Manual Exposure
- OS Meter / Distance Counter
- OS Inclinometer
- Equipped with 512 Hz Transmitter



Self Leveling



Transmitter



OS Inclinometer



Wi-Fi



Water & Dust Resistance



Mechanical self leveling camera tip



Capable of passing through two 90° pipeline turns

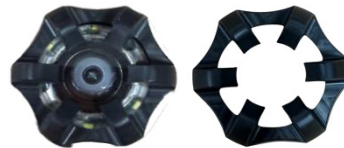


Lay flat usage, & 180° rotation hinge

LT100 Locator

- Easy operation interface
- Up to 1.8 m measurement depth
- IP55 protection
- LED backlight function keys
- 512 Hz receiver

Protective Cap

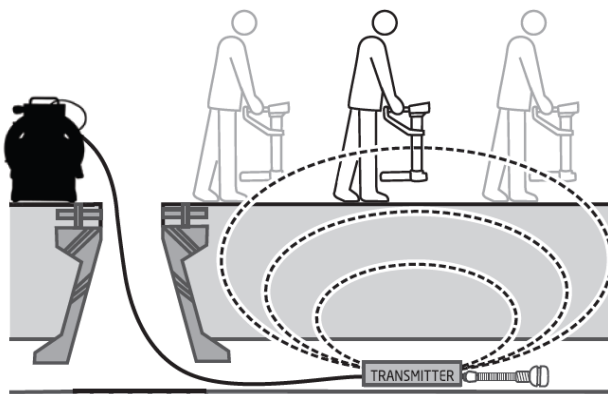


Inspection Field

The PRSL300T is specifically designed for **household plumbing inspections**, offering versatile and practical functions to meet a variety of needs. Equipped with a **512 Hz locator transmitter (Tx)**, it is compatible with all standard 512 Hz receivers. For optimal performance, it is recommended to use with **Mitcorp's LT100 locator**.

WAGON - FOR PRSL 300T

Compatible Pipe Diameters: $\varnothing 150 \sim \varnothing 300\text{mm}$
 Dimensions (on $\varnothing 300$ pipes): 203mm x 122mm x 141mm
 Dimensions (on $\varnothing 150$ pipes): 191mm x 236mm x 272mm
 Weight: 1000g
 Construction Materials: Aluminum & TPR



PRM 2830 Pipe Camera



Wi-Fi



Water & Dust Resistance

- 5" Touch Screen
- 30 Meters Push Probe
- Diameter Of 30mm Push Camera Tip
- Wi-Fi Image Share
- OS Auto & Manual Exposure

Special Features

Wide View Camera FOV

150° camera lens provides maximum inspection area.

High-Definition image output

Capture & record super clear, crisp images.

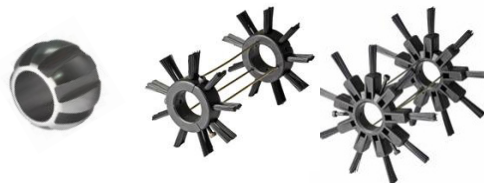
Digital meter on screen

Display the distance of probe inserted into the inspection.



Centering Devices

Ø50mm , Ø100mm & Ø150mm



WAGON - FOR PRM 2830

Compatible Pipe Diameters: \varnothing 150 ~ \varnothing 300mm
 Dimensions (on \varnothing 300 pipes): 203mm x 122mm x 141mm
 Dimensions (on \varnothing 150 pipes): 191mm x 236mm x 272mm
 Weight: 1000g
 Construction Materials: Aluminum & TPR



Three centering devices included



Rugged waterproof, super bright LED on camera



Capable of passing through two 90° pipeline turns



Lay flat usage, & 180° Rotation hinge



Lay flat usage, & 180° Rotation hinge



PIPE CAMERA CASE (Applicable PRSL 300T & PRM 2830)

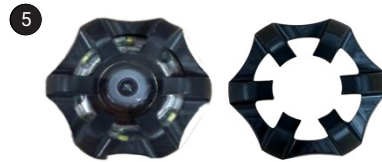
ACCESSORIES

- ① Aluminum Carry Case
- ② X600 PLUS Host Unit
- ③ Steel Probe / Pipe Camera Probe
- ④ Essentials
 - HDMI Cable
 - USB TYPE-C Cable
 - Charging Adapter
 - SD Card, 64GB
- ⑤ Protective Ring (for PRSL 300T Only)
- ⑥ Centering Devices (for PRSL 300T & PRM 2830)

OPTIONALS

- ⑦ Wagon Ø150mm ~ Ø300mm (for PRSL 300T & PRM 2830)
- ⑧ LT100 Locator (for PRSL 300T Only)

PROTECTIVE RING (Applicable to PRSL 300T Only)



CENTERING DEVICES



- Ø50mm Metal Centering Device
- Ø100mm Brush Centering Device
- Ø150mm Brush Centering Device



LT100 LOCATOR - FOR PRSL 300T

- Easy operation interface
- Up to 1.8 m measurement depth
- IP55 protection
- LED backlight function keys
- 512 Hz receiver



WAGON - FOR PRSL 300T & PRM 2830

- Compatible Pipe Diameters: Ø 150 ~ Ø 300mm
- Dimensions (on Ø 300 pipes): 203mm x 122mm x 141mm
- Dimensions (on Ø 150 pipes): 191mm x 236mm x 272mm
- Weight: 1000g
- Construction Materials: Aluminum & TPR

BASE UNIT	
Hardware	
Operating System	Mitcorp's OS
Display	5" LCD Touchscreen
Display Resolution	800 x 480
Weight	705g
Size	161.93x 127.93x46 mm
Dimensions Of Carrying Case	527x300x155mm
Battery	Rechargeable Li battery 4900mAh, approximate operation time; 4hrs (with 3m probe), charging time: 3.5hrs
Drop Resistance	1 Meter

Connections	
HDMI	TYPE-D HDMI
Data Transfer	USB TYPE-C
Wi-Fi	IEEE 802.11.b/g/n
App Connection	VideoscopeNOW
Power Supply	USB TYPE-C
Storage Media	MicroSD Card. Up to 128GB

Software Manipulations	
Image Manipulations	Digital zoom and brightness control
Note Text Options	Text annotation
Watermark	Timestamp and *.png logo
Tags	Text tags
Image Configuration	Mirror, rotation
Image Titration	White balance setup, brightness, contrast, saturation, and sharpness.
Folder Management	Sessions and folders

Operating Environment	
System Operating Temperature	-10°C~50°C
Battery Charging Temperature	0°C~45°C
Storage Temperature	-20°C~60°C
In Water	Not operable in water
Relative Humidity	Max 95% non-condensing
Dust And Water Resistance	IP54

ACCESSORIES	
Cables	TYPE-C cable, HDMI cable
Others	Cleaning set. pipe camera only: 50mm Centering Ring /100mm&150mm Brush

REGULATORY	
International Standards Organization (IEC)	
Electromagnetic Compatibility (EMC)	
Federal Communications Commission (FCC)	

Other Regulatory	
PSE (Circular)	
WEEE	
Restriction of Hazardous Substances 2011/65/EU (RoHS 2)	
Restriction of Chemicals Materials EC 1907/2006 – REACH	
Transportation for Lithium Batteries,UN38.3	

PROBES							
Pipe Cameras							
Model	PRSL 300T	PRM 2830					
Diameter	28.8mm	28.0mm					
Length	30M	30M					
Direction Of View	Front View	Front View					
Self-Leveling	Mechanical	-					
Probe Head Length	40.7mm	38.4mm					
Field Of View (FOV)	150°	150°					
Front Depth Of Field (DOF)	20 mm~∞	20 mm~∞					
Side Depth Of Field (DOF)	-	-					
Sonde Transmitter	512 Hz	-					
Still Image Resolution	1920x1080	1920x1080					
Video Resolution	1920x1080	1920x1080					
Articulation	-	-					
Articulation Angle	-	-					
Probe Head Material	S.Steel	S.Steel					
Probe Material	FRP	FRP					
Operating Temp. In Air	-10~60°C	-10~60°C					
Operating Temp. In Water	10~30°C	10~30°C					
Max Pressure Resistance	3 bar	3 bar					
Hydraulic Fluids Resistance	Gasoline, diesel, brake oil, transmission oil, engine oil						

LOCATOR - FOR PRSL 300T	
Model	LT100
Weight	2000g
Size	293.5x144.0x486.5 mm
Battery	Rechargeable 3.7V / 4900mA Li battery, approximate operation time; 6~7hrs, charging time: 4hrs
Power adapter R5	Output: DC 5V 3A
Drop Resistance	30cm
Sonde Receiver	Compatible with any 512 Hz transmitter devices
System Operating Temperature	-10°C~50°C
Battery Charging Temperature	0°C~45°C
Storage Temperature	-20°C~60°C
Dust And Water Resistance	IP55
Applicable material	Concrete, reinforced concrete, brick

Mitcorp

Medical Intubation Technology Corporation (Mitcorp).

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