

### TVG PRO Series Industrial Videoscope

The Titan Tool Supply, Inc. TVG PRO Series Videoscope is a high quality, cost effective tool for all your Remote Visual Inspection needs.

The new innovative modular system allows you to have changable insertion tubes for different diameters and lengths. These scopes allow the use of different diameter & lengths with full 360 degree articulation with only one video control handle.

There are 5 different models with 3 diameter sizes and 3 lengths available. Diameters available are 2.8mm, 4mm and 6mm, with lengths from 1m, 2m or 3m.

Ideal for aviation maintenance, casting inspection, cavity inspection, diesel engine repair, gasoline engine repair, locomotive maintenance, ship maintenance or any where you need remote visual inspection.

#### TVG PRO Videscope Technical Parameters

|                               |  |
|-------------------------------|--|
| LCD MONITOR                   | 5 INCH   |
| RESOLUTION                    | 800 x 480                                      |
| CONTRAST                      | 500:1  |
| BRIGHTNESS                    | 300 CD/m <sup>2</sup>                          |
| VIDEO FRAME RATE              | 30fps  |
| STEERING CONTROL              | 180° or 360° Joystick Control by diameter      |
| INERCHANGEABLE CABLE DESIGNED | Easy & Interchangeable from the back controler |
| VIDEO OUTPUT                  | AV   |
| USB PORT                      | Mini B USB port                                |
| LIGHT SOURCE                  | 60,000 Lux High Intensive LED's                |
| LED's LIFE                    | 100,000 hours                                  |
| BRIGHTNESS CONTROL            | Manual 5 levels                                |
| WHITE BALANCE/AGC/EXPOSURE    | Automatic                                      |
| VIDEO OUTPUT                  | Manual, NTSC/PAL                               |
| MEMORY                        | 8 GB Memory Card                               |
| OPERATING SYSTEM              | Multitasking OS, menu driven                   |
| PHOTO CONTROL                 | Real time 3X digital zoom, stored images       |
| PHOTO FORMAT                  | JPEG 640X480                                   |
| SOFTWARE UPDATE               | Via USB Memroy Card                            |
| LANGUAGE                      | English  |
| AC POWER SUPPLY INPUT         | AC 100-240V 50/60 Hz. 0.35A                    |
| AC POWER SUPPLY OUTPUT        | 5V 2A  |
| Li-Ion BATTERY                | 3.7V/6000 MAH                                  |
| CHARGING HOURS                | 4 hours  |
| BATTERY OPERATING HOURS       | 5 hours  |
| PROBE DURABLE TEMPERATURE     | -10° to 50° C (14° to 122° F)                  |
| CONTROL DURABLE TEMPERATURE   | -10° to 50° C (14° to 122° F)                  |
| STORAGE TEMPERATURE           | -10° to 50° C (14° to 122° F)                  |



Control Unit with Li-Ion Battery

HDPE Storage and Carry case with precision cut insert for safe storage.



Interchangeable Cables with ease of use and allows different diameter and lengths to be used with one Video unit



**Interchangeable Video Probes! Allow's the user to have different diameters and lengths for a more cost effective inspection solution.**

Applications for use:



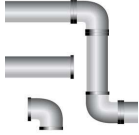
**Aviation  
Maintenance &  
Repair**



**Gas & Diesel  
Engine Maintenance  
& Repair**



**Machinery  
Manufacturing &  
Maintenance**



**Pipeline and  
Container  
Manufacturing**



**Casting & Parts  
Processing &  
Manufacturing**



**Power Generation  
Manufacturing &  
Maintenance**




## Specifications


| Model               | TVG PRO2800    | TVG PRO4200    | TVG PRO4300    | TVG PRO6200      | TVG PRO6300      |
|---------------------|----------------|----------------|----------------|------------------|------------------|
| Pixel               | 400,000        | 400,000        | 400,000        | 400,000          | 400,000          |
| Insertion Tube Dia. | 2.8mm (0.110") | 4mm (0.157")   | 4mm (0.157")   | 6mm (0.236")     | 6mm (0.236")     |
| Tube Length         | 1 meter (40")  | 2 meter (78")  | 3 meter (118") | 2 meter (78")    | 3 meter (118")   |
| F.O.V.              | 80°            | 80°            | 80°            | 90°              | 90°              |
| D.O.V.              | 10-80mm        | 10-80mm        | 10-80mm        | 15mm to infinity | 15mm to infinity |
| Material            | Tungsten Braid | Tungsten Braid | Tungsten Braid | Tungsten Braid   | Tungsten Braid   |
| Articulation        | 2-Way          | 4-Way          | 4-Way          | 4-Way            | 4-Way            |
| Ingress Protection  | IP64           | IP64           | IP64           | IP64             | IP64             |
| Spare Probes        | TVGP SP2800    | TVGP SP4200    | TVGP SP4300    | TVGP SP6200      | TVGP SP6300      |
| Monitor Unit        | TVG PRO MU     | TVG PRO MU     | TVG PRO MU     | TVG PRO MU       | TVG PRO MU       |
| Spare Battery       | TVG PRO-LIB    | TVG PRO-LIB    | TVG PRO-LIB    | TVG PRO-LIB      | TVG PRO-LIB      |

**5** SEC  
Quickly change cable  
in 5 seconds


Patented technology of quick  
replacing cable from back side  
in 5 seconds



①



②



③

The TVG Pro series videoscope's new interchange cable design. One monitor can be matched to the 2.8mm, 4mm or 6mm cable for quick change within 5 seconds.