



INSTRUMENT TECHNOLOGY, INC.

## Series 123000 Rigid Borescopes

*With the latest advances, the clearest optical images, the most innovative features, and the greatest cost-effective, top quality dependability, ITI Rigid Borescopes are clearly today's industry leaders, with features that let you:*



### Features:

- Camera-Dedicated with ITI Quick Disconnect feature
- High Performance Optical System
- 5 Body Styles



- Change from Video Camera to Eyepiece instantly with the ITI Quick Disconnect feature that allows direct coupling of either a 1/4" or 1/3" video camera; elimination of eyepiece distortion; and unmatched video performance
- Match critical video camera requirements with bright, sharp, uniform images, superior visual performance, and greater edge illumination

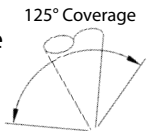
### Choose Body Style from:

**-Standard** - With a fixed line of sight (LOS) and fixed field of view (FOV), ITI's Standard Rigid includes range focus and illumination fibers. Choose from either eyepiece, camera C-mount or both with our interchangeable design.

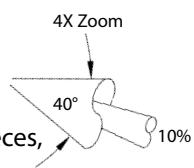
**-Orbital Scan** - for complete panoramic examinations; rotates 375° around borescope axis without rotation of illumination fiber cable.



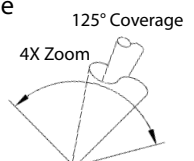
**-Axial Scan** - works as 3-scopes-in-1 with panoramic illumination that covers total viewing area; while in-line with borescope probe, scan allows viewing from 40° (FO) LOS to 125° RO quickly and efficiently.



**-Zoom** - A true 4x zoom borescope, in low power this provides 40° FOV for orientation, and in high power zooms to 10° FOV for critical inspections. This results in a true zoom objective with a 4x change in FOV with constant f#. Unlike other instruments with zoom eyepieces, magnification is real and performance is unequalled.



**-Scan/Zoom** - Unique dual-capability combines the features of a variable axial scan with those of a variable FOV (Zoom) to enable operator to scan in low power for overall coverage, then zoom to high power for high-resolution, detailed examination. The best of the best in one superior borescope.



Forward Viewing Tip



Right Angle Viewing Tip



Forward Viewing Tip with Right Angle Mirror Sleeve





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Model No.	Diameter		RMS* Diameter		Working Length			Body Style				
	mm	inch	mm	inch	cm (inch)			Std	OS	AS	ZM	SZ
123004	4	.159"	4.8	.187"	18 (6.9)	28 (11)	38 (15)	X	X			
123006	6	.238"	7.6	.300"	23 (9.2)	36 (14.4)	49 (19.5)	X	X			
123008	8	.315"	9.5	.375"	35 (13.8)	56 (22.2)	77 (30.3)	X	X	X		
123010	10	.396"	11.1	.437"	56 (22.2)	77 (30.3)	98 (38.6)	X	X	X		
123016	16	.625"	17.5	.687"	50 (20)	80 (32)	110(44)	X		X	X	X
123019	19	.750"	22.2	.875"	50 (20)	80 (32)	110 (44)	X		X	X	X

Body Style	Field-of-View (FOV)	Line-of-Sight (LOS)	Line-of-Sight (LOS)
Standard (Std)	20°, 40°, 60° & 100°	F, FO, RA & RO	F - 0°
Orbital Scan (OS)	20°, 40°, 60° & 100°	FO, RA & RO	FO - 45°
Axial Scan (AS)	35°	Variable from 40° - 125°	RA - 90°
Zoom (ZM)	Variable from 10° - 40°	F, FO, RA & RO	RO - 120°
Scan/Zoom (SZ)	Variable from 10° - 40°	Variable from 40° - 125°	

When ordering, specify model number/dia./working length/FOV/LOS. Example: 123010/10mm/40cm/40°/F-RMS

\*Rotary Mirror Sleeves (RMS) are available on F LOS Standard Body Scopes.