



Analytical Technologies Gastroscope



GASTRO 3290 SERIES

Specifications:-

A. Gastroscope –

1. High definition true color video images
2. Large depth of field
3. Uniform image brightness-even under difficult lighting conditions
4. Wide angle optics with high light transmitting capacity
5. Enhanced control unit
6. Optimal position of control functions
7. Graduated, torsion-proof insertion sheath
8. Optimal instrument passage even at extreme angles
9. Robust supply tube with standard connection
10. At distal end it is equipped with specially designed air water nozzle with a separate path towards optical lens used for controlled water flow to better clean-up of optical lens and to squeeze the blockage problems
11. Insertion Tube Outer Diameter - Not more than 5.9 mm
12. Distal Tip Outer Diameter - Not more than 5.9 mm
13. Working channel diameter - 2.0 mm or more
14. Working length - 110 cm or more
15. Deflection of distal tip (up-down) - 210/1100
16. Deflection of distal tip (left – right) - 1200- 1200
17. Field of view - 1400 or better

B. HIGH DEFINITION VIDEO PROCESSOR

1. System is on High Definition platform,
2. Max resolution 1920x1080 (1080p)
3. Full screen image with wide angle.
4. Fully compatible to the color systems PAL & NTSC.
5. USB interface at front panel for image & Video storage.
6. Equipped with integrated image capture module.
7. Processor is having the facility of Digital Image processing for better tissue differentiation.
8. 6-8 fold magnification, Multiple settings allow the user to select the preferred level of Image enhancement.
9. Processor is having the additional facility of electronic 2x zoom, selectable in 2-4 steps.

C. Integrated Still Image function.

1. Variety of output connections option (HD-SDI, RGB, DVI, S-Video and composite etc)
2. Auto Exposure System for consistent illumination level
3. Automatic white balance with memory function for true color setting

D. XENON LIGHT SOURCE

XENON light source is easy to operate and offer outstanding light delivery in compact design.

1. Optimal light delivery.
2. Excellent brightness with daylight spectrum.
3. Infinitely adjustable luminous intensity.
4. High-performance air filters with low noise level.
5. Special dialectical heat protection filter increase light delivery by up to 20%
6. Lamp service life display
7. Easy lamp replacement.
8. Integrated insufflations pump with minimum 3 output levels.

E. TECHNICAL SPECIFICATIONS OF HD

1. MONITOR
2. Monitor is 26"HD Flat Screen, aspect ratio 16:10 Desktop, have Color System PAL/NTSC.
3. Monitor have Resolution max. 1936 x 1360 with the following inputs.
4. SDI Composite, S-Video RGB, DVI and VGA
5. Input Brightness is 500cd/m² with the Contrast: 700:1
6. The Monitor is supplied with the Table top Stand.
7. Drip water protected, dustproof housing
8. Liquid crystal display/ LED
9. Max. resolution of 1936 x 1360 pixels
10. Compact and lightweight design
11. Composite, S-Video, RGB, VGA, SDI and DVI compatible
12. Antireflexion coated front glass



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13. Easy-to-access control buttons on the housing front.
14. All Scopes, Endoscopy equipment, Endoscopy instruments and monitor
15. Local Trolley
16. Biopsy forceps
17. Snare
18. Cleaning brush



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