

METERDI



TOUCH SCREEN INDUSTRIAL BORESCOPE

METERDI MR-25SERIES

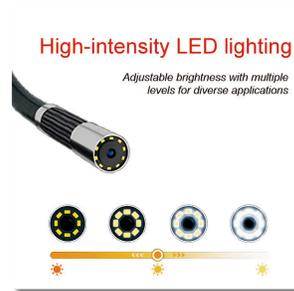
METERDI[®]
INSTRUMENTS

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The **MR-25Series HD Touchscreen Videoscope** is a high-performance, multi-functional non-destructive testing (NDT) instrument designed for a wide range of industrial inspection scenarios. Engineered with a 360° joystick-controlled articulating probe, it allows precise maneuverability within complex or confined spaces, ensuring comprehensive visual access to hard-to-reach areas.

The integrated high-definition image sensor captures sharp, detailed images and videos in real time, which are displayed on a vibrant 5-inch touchscreen, enhancing user experience and inspection accuracy. One of its standout features is the hot-swappable insertion tube system, allowing users to easily switch or replace the probe as needed—offering flexibility for different inspection requirements without interrupting workflow. Additionally, the insertion tube is reinforced with a robust quad-layer tungsten braiding, providing exceptional resistance against wear, abrasion, and harsh industrial conditions, thereby extending the lifespan of the device and ensuring reliable performance even in the toughest environments.



HIGH INTENSITY LED LIGHTING



1080 HD PIXEL LENS



360° ARTICULATION



5" FHD TOUCH SCREEN

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SPECIFICATIONS

Category	Parameter	Specification
Probe	Probe Diameter	1.2mm / 1.8mm / 2.0mm – 6.0mm
	Insertion Tube Length	1 – 7 meters (Customizable)
	Field of View (FOV)	120°
	Depth of Field (DOF)	5mm – ∞
	Illumination Method	LED / White Light Fiber Optic
	Probe Interchangeability	Multi-Tube Support
	Probe Rotation Angle	Omnidirectional 360°
	Control Method	Manual Joystick
	Image Sensor	CMOS/CCD HD Camera
	Horizontal Resolution	720P / 1080P
	Waterproof Rating	IP67
	Suitable Applications	Aviation, Foundry, Automotive, Pipeline Inspection
Display & System	Display Size	5-inch HD LCD Touchscreen
	Wireless Transmission	Wi-Fi Enabled
	Image / Video Format	JPG (Images), MP4 (Videos)
	Key Functions	Photo capture, video recording, zoom, image rotation, simulated ruler, and more
	Storage	32GB TF Card (Included), Expandable up to 128GB
	Battery Type	2× 18650 Li-ion Rechargeable Batteries
	Operating Time	> 4 Hours Continuous Use
	Video Output Interfaces	AV, USB 2.0, HDMI
	Brightness Adjustment	Multi-level Brightness Control
	Operating Temperature	-20°C to +60°C

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APPLICATIONS





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