

Borehole Inspection Camera



Model: GYGD-400

Control Box	Alluminum box 220V input
Winch	Electric winch
Display	7 inches high brightness LED display
Control and video system	HD SD card video recorder, control box panel buttons to operate the rotation of downhole camera; Adjust the brightness and focal length of the camera light source and the up and down speed of the cable and camera probe
Rotary Camera	φ42mm, camera circle 360 degrees clockwise and counterclockwise infinite rotation, tilt 180 degrees flip. Brightness and focal length adjustment: the surface manually controls the direction and angle of the downhole camera, the brightness of the light source and the camera focus. 5 levels of dimming, Front 6 highlight LED
Depth counter	Accuracy 0.005M
Cable	6 cores, 400M length
Centralizer	High elasticity stainless steel centralizer
Tool Box:	Connection wires and accessories

Control box



- * Voltage input: 220V
- * Depth interface: Connect depth sensor, depth real-time display
- * Probe interface: connect probe, transmit video and power supply
- * Data interface: calibrate depth, edit well number, well position
- * Video system: HD SD card video recorder 16G SD card recording system, maximum support 32G
- * Depth return to zero: Before logging, please return depth to zero for accurate counting
- * Display: 7 "high light LED display, outdoor visible
- * Control box panel buttons: operate the rotation of the downhole camera, the brightness of the camera light source, and the adjustment of the focal length, and the cable and camera probe rise and fall and speed

Rotary camera



- * Camera size: $\phi 42\text{cm}$ Long: 34 cm
 - * Camera material: stainless steel shell.
 - * Camera window: explosion-proof optical glass window
 - * Camera adopts SONY CCD720 line HD camera, automatic photographic system.
 - * Lens Angle: circumference 360° clockwise and counterclockwise infinite rotation, can also be rotated tilt 180°, light and focus adjustable
 - * Camera light: $\phi 42\text{cm}$ camera probe, front 6 high light LED
- Brightness and focal length adjustment: the surface manually controls the direction and Angle of the downhole camera, the brightness of the light source and the action of clear video image and focal length, and the 5-level dimming
- * Probe pressure: pressure 20MPA, the maximum pressure depth up to 2000m

The connector for camera and cable



* Designed and manufactured according to the oil logging process instruments and equipment, with positioning pin, two axial seals, high pressure and high temperature resistance, connector can be exchanged for the use of different diameter probes.



* Accessories box: equipped with probe, a connection line, a set of centralizer and accessories

Electrical Winch

- * Main control box tray: stainless steel tray, removable, convenient transportation
- * Depth counting pulley: the down-well pulley is equipped with depth counting function and requires data cable to connect the main control box
- * Pulley support rod: telescopic pulley support rod, removable.
- * Depth counting function: depth accurate to 0.005 meters, if there is error, can be calibrated depth
- * Depth zero: Please zero the depth before logging, so that the count is accurate



* Electric machine: permanent magnet DC motor, self-lock when power is off

Display



* 7-inch LCD Monitor
 * Aspect Ratio: 4: 3
 * Contrast: 450: 1
 * Brightness: 800cd / m²
 * Resolution: 1024×768
 * Power DC 12V
 * Color System: PAL / NTSC / SECAM

Logging Cable



* Cable Material: TPE
 * Pull Force: 280KG
 * OD: 7.8mm
 * Temperature: 50 degrees

Other accessories

One manual, connecting cable, sealing rings, wearing parts