1 Composition

The MFC56C-B caliper tool is composed of upper centralizer assembly, electronics assembly, caliper measuring assembly, lower centralizer assembly and motor assembly. The outline of the tool is as shown in Fig. 1.

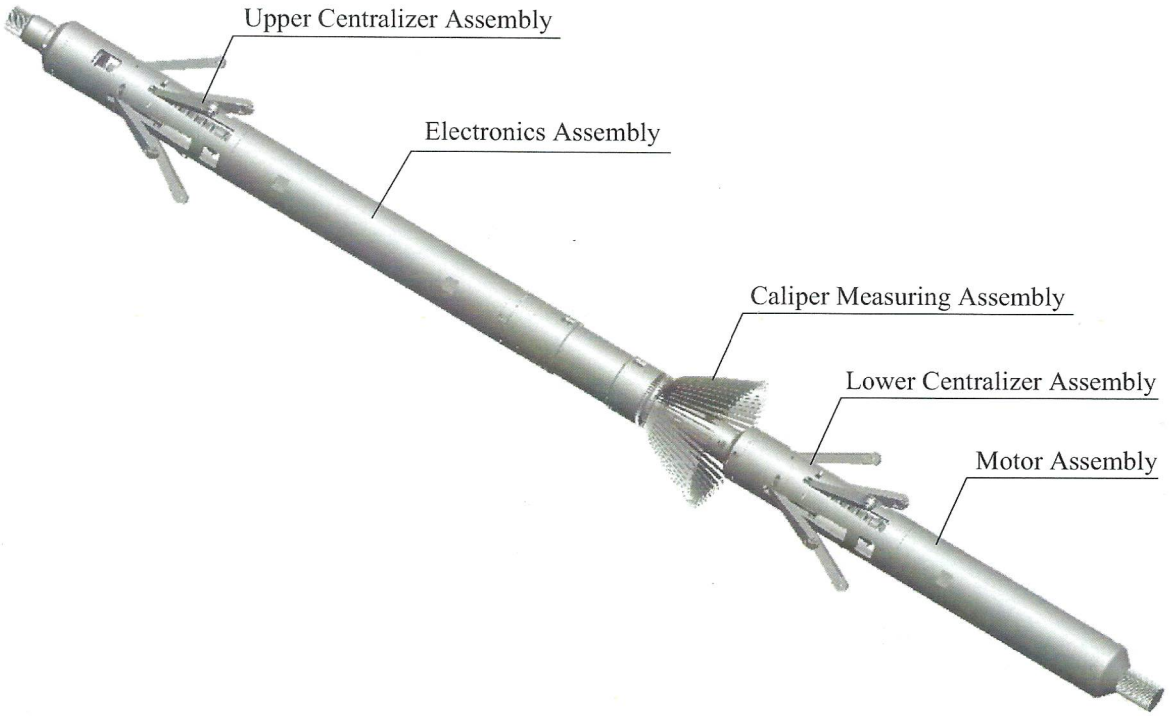

Fig. 1

2 Functions

MFC56C-B 56-Finger Caliper is a mechanical downhole well logging tool. The primary function is to detect the deformation, bending, fracture, perforation and inner wall corrosion of casing with 56 caliper fingers that are in close contact with the inner wall of the casing. Each caliper finger is connected to an independent non-contact displacement transducer that features small sizes, long service life, and high measurement accuracy.

GOWELL PETROLEUM EQUIPMENT	Specifications			SerialNo.: M-SP-MFC56C-B
				Version : AV12.0.0
	Tool Name	Revised by	Approved	Pages: 2
	MFC56C-B	Peter Zhang		Date: 2010-12

Name	Specifications
General	
Working. Temperature	-20℃~175℃(-4℉~347℉)/ 2 hours
Working Pressure	≤100MPa(14,503 psi)
Working Current	35±5mA
Working Voltage	90V±10%
Tool Diameter	φ90mm(3.54")
Shipping Length	2086.5mm(82.15")
Make-up Length	1996.5mm(78.6")
Wellbore Temperature Measuring Point	441.5mm (17.66") (from bottom of the tool)
Caliper Measuring Point	716.5mm (28.21") (from bottom of the tool)
Tool Weight	61.5kg
Max. Logging Speed	600 m/h (32 ft/min)
Caliper Measurement	
Measuring Range	100mm~245mm(3.94″~9.65″)
Accuracy, Radial	±0.5mm(0.0197″)
Resolution, Radial	0.1mm(0.0039″)
Wellbore and Cartridge Temperature Measurement	
Measuring Range	-25℃～175℃(-13℉～347℉)
Measuring Accuracy	±2℃
Resolution	0.05℃
Response Time	≤2S
Relative Bearing Measurement	
Measuring Range	0°~360°
Measuring Accuracy	±5°(Dev≥5°)