



GDS

(EMDCSS)

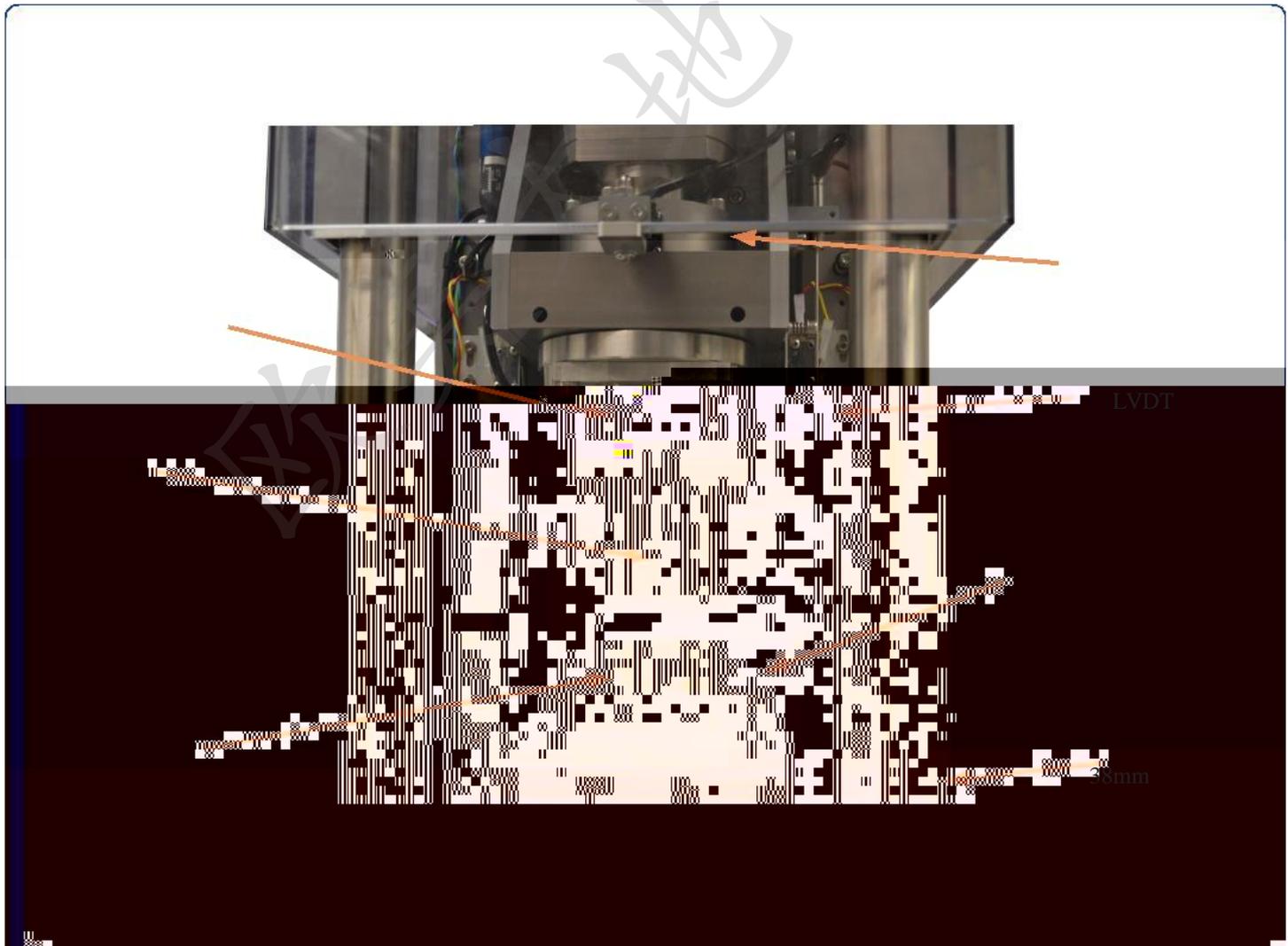
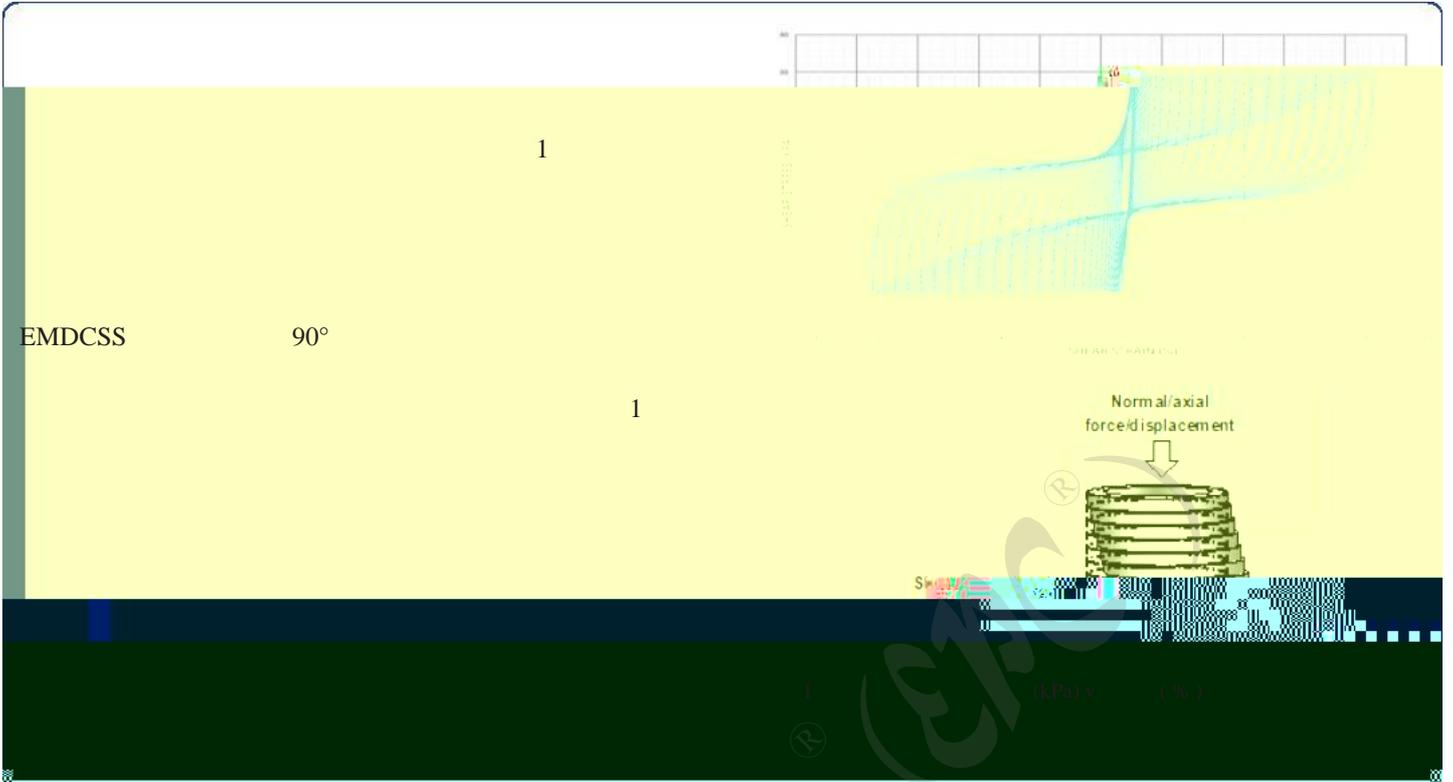
0.005%

10%

GDS			
			K0
		5Hz	±1mm
	200mm		

	1200mm (H) x 500mm (L) X 770mm
	= +/- 25mm, = +/- 15mm: = <0.1% FSO (+/- 25mm)
	24 (+/- 20mm = <0.6µm, +/- 15mm = +/- <0.5µm, +/- 2.5mm = <0.1µm)
	5, 10
	5
	240V or 110V 50/60Hz 1 ph
	50, 63.5, 66, 70, 100 150mm
	220

	50, 63.5, 66, 70, 100, 150mm
	60mm , 63.5mm





0.1	15	30
0.2	15	30
0.5	15	30
1	14	28
2	6.5	13
3	3.2	6.4
4	2.1	4.2
5	1.75	3.5

(CNS)

(2021) CNS
kPa/mm kN/mm 2021

/

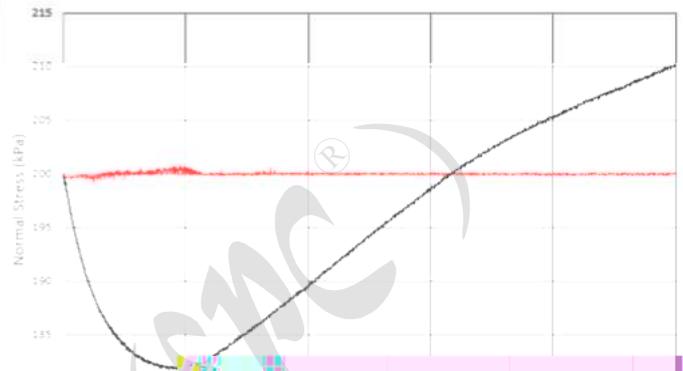
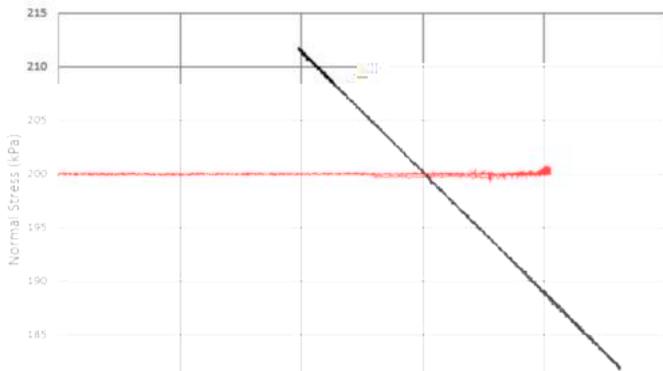
- CNS

GDS

2021

EMDCSS

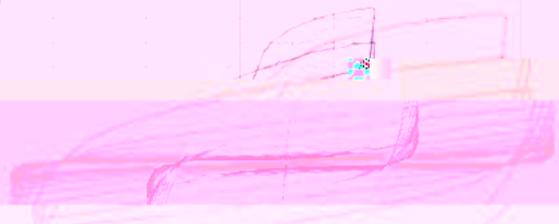
GDS



180 200 210 215
Axial Displacement (mm)

180 200 210 215
Horizontal Strain (%)

7



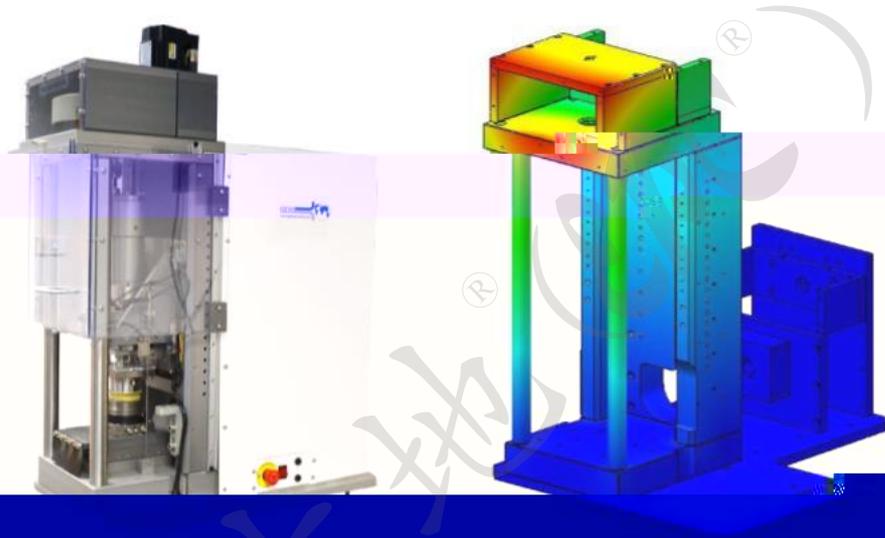
8

CNS

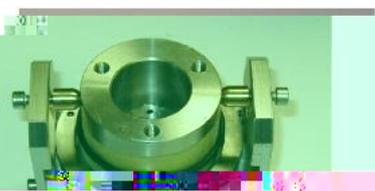
GDS EMDCSS

EMDCSS

EMDCSS



- GDS
- (10)
-



10

GDS

EMDCSS



11

EMDCSS

DCS 10kN EMDCSS

GDSLAB

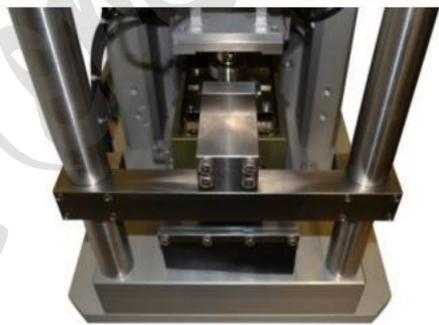
EMDCSS 5kN



12 EMDCSS

EMDCSS

100mm x 100mm



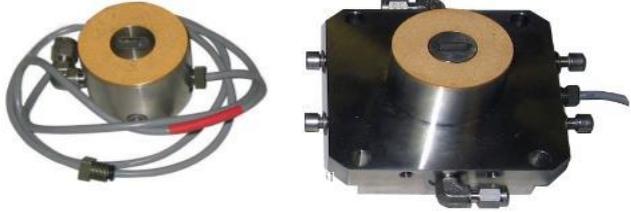
13 EMDCSS

EMDCSS (20mm) 20mm 0.05ms GDS 0.0005ms

400m/s

0.00005s

100

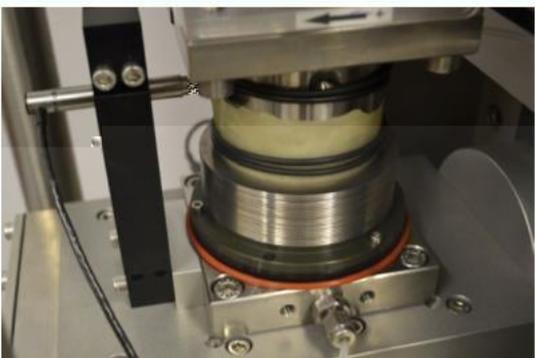


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EMDCSS

LVDT EMDCSS

LVDT (DCS) LVDT



15 LVDT

GDSLAB

GDSLAB
(* .ini)
GDSLAB

PC

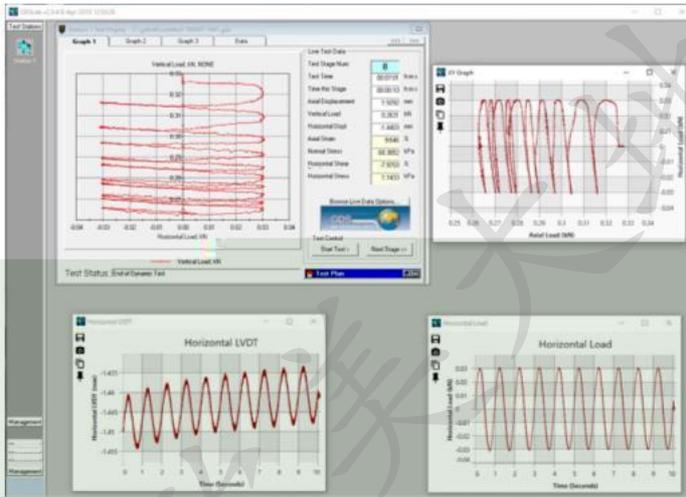
-
-
-
-
-
-

N

N

1000

1000 ASCII



16 ADVDCS V2

DSS

ASTM D6528-17

3

EMDCSS

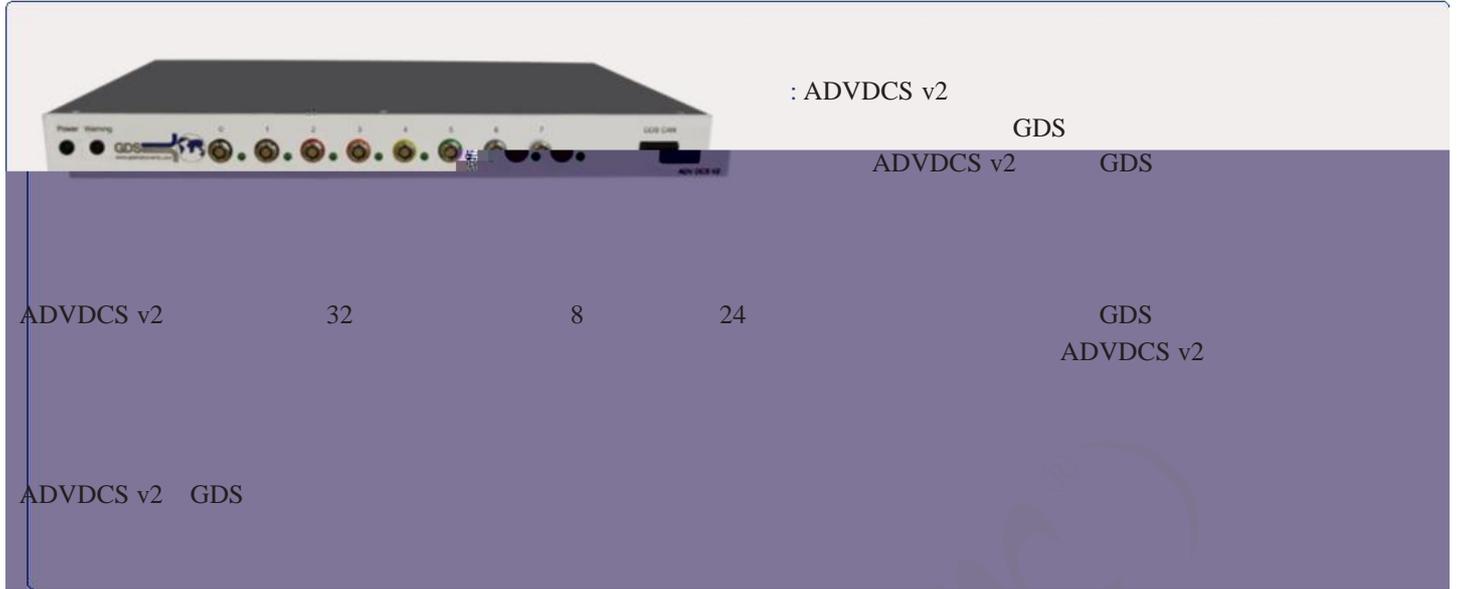


GDS

PID

GDS





	USB
	8 1
	2 ()
	x4
	32 + 4
	5kHz
	24 , 16,777,216
	8 ()
	~ 0.000001 mV(1)
	+/-5V ()
	8 (-10...+10mV) (-10...+10V)
	-
	()
	-10mV...+10mV up to -10V...+10V
	32 (, ,)
	1 kHz 32
	16000
	GDSLab USB
	GDSLAB
	200MHz ARM Cortex-M4 CPU 32 Bit 480Mbit /s USB
	: Windows 7 , CPU: 1.5 GHz , : 2 GB, USB 2.0



QS 2020
GDS 86%

50

TOP
50

GDS BGC Canada, Fugro, GEO, Geolabs, Geoteko, Golder Associates, Inpijn Blokpoel, Klonn Crippen, MEG Consulting, Multiconsult, Statens Vegvesen, NGI, Ramboll, Russell Geotechnical Innovations Ltd, SA Geolabs, SGS, Wiertsema

GDS



GDS

GDS ISO9001:2015

40 YEARS OF
BRITISH
INNOVATION



GDS 12
36 12

GDS 12 24



GDS



GDS

GDS

helpsheets

