



ENGINE INSTRUMENT- LEUTERT SERIES (Engine indicator- Type 30/1)

APPLICATION:

LEUTERT Engine Indicators have a world-wide reputation for precision accuracy and perfect design
 Outstanding Features of LEUTERT Engine Indicators
 Minimum reciprocating mass
 Pressure springs are double-coiled. They operate in tension. Pistons, cylinders and springs are detachable and interchangeable. Ease and simplicity in handling and operation. Rugged design.



SPECIFICATIONS:

Measuring Range:	see spring table below		
Engine Sizes:	Up to n = 1000 R.P.M. or max dp/dt = 24 x 103 bar/ sec.		
Max Diagram Height:	30mm		
Max Diagram Length:	60mm		
Drum Diameter:	Standard	40mm	- Paper Size: 145 x 45mm
	Special Modification	30mm	- Paper Size: 115 x 45mm
Dimension of Instrument:	120 x 105 x 85mm		
Natural Frequency/sec.:	320 / √f +20 (f = measuring scale)		
Standard Connection:	W 27 x 23.75 Dia. 10 T.P.I.		
Weight:	1.1 kg (without wooden box) 4.0 kg (with wooden box)		

Table of Indicator Springs Type 30																		
Piston Size	Ø mm	Part. No. 4611.071.	Spring - No.															
		30/1.5 bar	30/2 bar	30/3 bar	30/6 bar	30/10 bar	30/12 bar	30/14 bar	30/16 bar	30/18 bar	30/20 bar	30/25 bar	30/30 bar	30/35 bar	30/40 bar	30/50 bar		
1/1	20.27	Scale mm/bar max preassure_bar	20 1.5	15 2	10 3	6 5	5 6	3 10	2.5 12	2.25 14	2 16	1.75 18	1.5 20	1.2 25	1 30	0.9 35	0.6 40	0.6 50
1/2	14.33	Scale mm/bar max preassure_bar					2.5 12	1.5 20	1.25 24	1.125 28	1 32	0.875 36	0.75 40	0.6 50	0.5 60	0.45 70	0.4 80	0.3 100
1/5	9.08	Scale mm/bar max preassure_bar					1 30	0.6 50	0.5 60	0.45 70	0.4 80	0.35 90	0.3 100	0.24 125	0.2 150	0.18 175	0.16 200	0.12 250
1/20	4.53	Scale mm/bar max preassure_bar					0.25 120	0.15 200	0.125 240	0.113 260	0.1 320	0.09 360	0.08 400	0.06 500	0.05 600	0.045 400	0.04 800	0.03 1000

Standard Accessories

- 1 spring
- 1 measuring scale
- 1 block indicator paper (40s)
- 1 coil tightening hook
- 1 oil can for polish and links
- 2 screw drivers
- 1 flat pliers
- 1-cylinder spanner
- 1 spanner connection nut
- 1-cylinder cleaner
- 1 stand for instrument
- 1 spring table
- 1 instruction manual

** Non-standard specifications from above can be customize on indent basis.

***All information subject to changes without prior notice owing to continuous development.