

Digital Test Pressure Gauge DTG-35
Accuracy $\pm 0.5\%$ FS

- Battery operated
- 4-digit LCD (12.7 mm high)
- High overpressure
- Good vibration and shock resistance
- Display and pressure port turnable
- Pressure ranges from -1 bar to +2000 bar
- Compact size (DS 74)

The measured pressure is indicated on a well visible 4-digit LCD. The front panel is turnable 350°. Also the pressure connection can be turned.

The pressure is measured with an accurate ceramic pressure sensor (monolith). Analogue output, Peak hold function, and a switch-output are available as options. Because of its high accuracy, the DTG-35 is also recommended as a digital test gauge for pressure comparison measurements.

Because of its robust design, the DTG-35 is well suitable also for use under strong conditions.

**Technical Data:**

Pressure Ranges:	all standard ranges from -1/0 bar to 0-2000 bar (see reverse side)
Overpressure:	up to 40 bar triple scale, 60-250 bar double scale and >250 bar 1.5-fold scale
Case diameter:	DS 74
Accuracy:	$\pm 0.5\%$ FSO acc. IEC 60770
Display:	LCD, 4 digits, 12.7 mm high, symbols for battery and peak hold
Material:	Wetted parts: Stainless steel 1.4571, Ceramic (Al_2O_3), NBR Housing: GK 30, Window in Pa 6, keyboard in polyester
Response time:	5 measurements per second (optional 1 to 10 available)
Automatic switch-off:	no (optional: after 2, 4, 8, 16, 32 or 64 min - not at versions with optional switch-output or analogue output)
Power supply:	9V Battery (included in standard supply)
Battery life:	at 5 measurements per second: appr. 10,000 hours (automatic switch-off after 8 min.) without analogue output, without switch output, without peak hold.
Zero-Point adjustment:	by key-stroke, $\leq \pm 25\%$ FS
Pressure connection:	1/4" BSP male (Ranges ≥ 1000 bar: 1/2" BSP male)
Temperatures:	Ambient 0...+60°C, Storage -30...+80°C, Medium -30...+85°C
Rel. Humidity:	< 90%, non-condensing
Temperature Coefficient:	Zero point $\leq \pm 0.2\%$ FS / 10 K, Span $\leq \pm 0.1\%$ FS / 10 K
Protection:	IP 65 acc. DIN 40050, IEC 529
Operation (keyboard):	Switch On/Off (Key "P"), Zero-Point adjustment (automatically via menu)

Options:

- Other response times, between 1 and 10 times per second (standard: 5 times per second) (battery life is changing accordingly)
- Automatic switch-off after 2, 4, 16, 32 or 64 minutes or NO auto-switch-off (standard: switch-off after 8 min.)
- Analogue output 0-2 V (Load: ≥ 100 Kilo-Ohm)
- Peak hold
- Switch-output (Relais, bistabil)
Electr. connection: round plug acc. IEC 947-5-2, DIN/VDE 0600 Teil 208 A 2 or cable 0.5 m
Max. load: 0,22 A / 230 VAC; 2 A / 30 VDC, Max. 230 VAC, 220 VDC, max. 2 A, max. 50 VA / 60 W
Switch point adjustment by keyboard (password protected)
- Other pressure ranges, other pressure connections (e.g. 1/4" NPT M)

**DRUCK & TEMPERATUR Leitenberger GmbH**

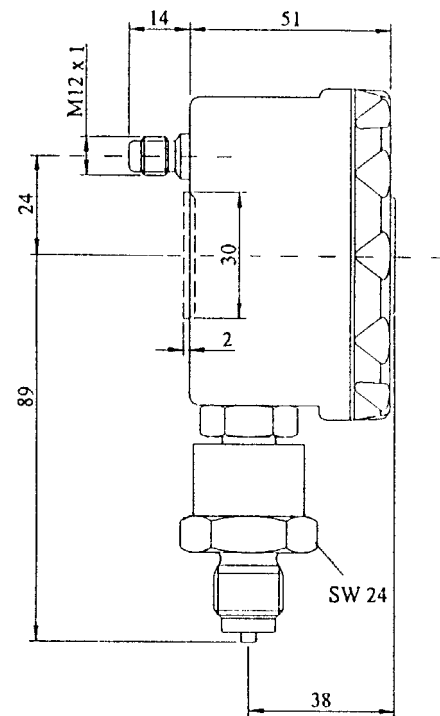
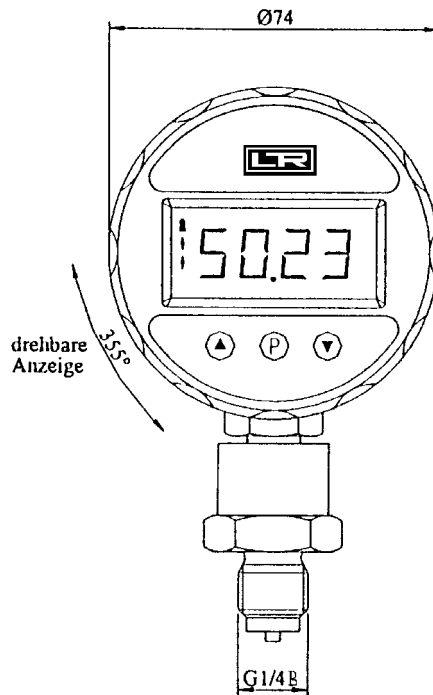
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Dimension:

Optional: PG7 (LCD)



Order-Code:

0 3 5 . 1 . 0 7 4 .	x	x x x . x
If not stated in your order otherwise: *) Measurement: 5 times per second switch-off after 8 min.	0 = standard	000.0 = Range -1/0 bar 001.0 = Range 0-1 bar 001.5 = Range -1/+1.5 bar 001.6 = Range 0-1.6 bar 002.5 = Range 0-2.5 bar 003.0 = Range -1/+3 bar 004.0 = Range 0-4 bar 005.0 = Range -1/+5 bar 006.0 = Range 0-6 bar 009.0 = Range -1/+9 bar 010.0 = Range 0-10 bar 015.0 = Range -1/+15 bar 016.0 = Range 0-16 bar 024.0 = Range -1/+24 bar 025.0 = Range 0-25 bar 040.0 = Range 0-40 bar 060.0 = Range 0-60 bar 100.0 = Range 0-100 bar 160.0 = Range 0-160 bar 250.0 = Range 0-250 bar 400.0 = Range 0-400 bar 600.0 = Range 0-600 bar 100.1 = Range 0-1000 bar 160.1 = Range 0-1600 bar 200.1 = Range 0-2000 bar
	1 = with analogue output	
	2 = with peak hold	
	3 = with switch output	
	4 = with peak hold and analogue output	
5 = with peak hold and switch output		

*)

Please state in your order, if you require

- measurement other than 5 times per second (state figure between 1 and 10)
- automatic switch off after 2, 4, 16, 32 or 64 minutes or NO automatic switch-off
- at version with analogue output or switch: output without electr. plug, but with cable 0.5 m



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