

Product Information

DFP

Digital Humidity and Temperature Analyser

The digital humidity and temperature analyser DFP helps to determine the relative humidity of pressurized air at the cable pressure section of pressurization systems. It replaces the formerly used LANCIER psychrometer (Order no. 005767.000).

Since the allowed relative humidity in pressurised air is depending on the temperature, the DFP is a combined temperature and humidity analyser. First it indicates the temperature value, then the humidity. A diagram shows at a glance, whether the measured values are in the allowed range.

The DFP comes in a carrying case with quick-connector, hose and a battery.



LANCIER Monitoring GmbH
Gustav-Stresemann-Weg 11
48155 Münster, Germany
Tel. +49 (0) 251 674 999-0
Fax +49 (0) 251 674 999-99
mail@lancier-monitoring.de
www.lancier-monitoring.de

Technical Data

Humidity

Measuring range	0 ... 100 % rh
Resolution	0.1 % rh
Measuring error	< 3.5 % rh in the range of 0 - 10 % rh < 2.0 % rh in the range of 10 - 90 % rh

Temperature

Measuring range	-20 ... 60 °C
Resolution	0.1 °C
Measuring error	< 1.5 °C
Operating pressure	< 1 bar overpressure
Operating temperature	-10 ... 60 °C
Storage temperature	-20 ... 80 °C
Power supply (Battery)	9 V Block, IEC 6 F 22
Power consumption	10 ... 40 mA
Measurements à 15 s with one battery	approx. 1000
Connection hose length	1 m
Dimensions (L x W x H)	150 x 80 x 30 mm
Weight without case, approx.	250 g

Ordering Data

Digital humidity and temperature analyser DFP with quick connector	Order-no. 072773.000
Spare parts	
Test valve adaptor for RT systems	Order-no. 072850.000
Battery 9 V Block, IEC 6 F 22	Order-no. 031465.000