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METEOROLOGISCHE INSTRUMENTE KG
R. FUESS

DIGITAL BAROMETER DB278 D

The Model DB278 D is using an extremely accurate and stable transducer which has a Long Term Stability of less than 0.1 hPa per year. Together with a 16 step linearity compensation over the measuring range we grant an accuracy of +/-0.2 hPa for at least one year.

Before delivery the DB278 D is compared at 16 measuring points with the Standard Mercury Barometer EB-3 and corrected, which is confirmed by a Work Certificate. To show the barometric pressure on another altitude e.g. QNH an offset can be entered and the display can be altered by a switch.

To use DB278 D for a Process controlling, there are options as RS 232 and RS 485 interfaces and analogue outputs 0...10 V and 0/4...20 mA.

Optional a power supply by rechargeable accumulator is deliverable.



Specifications:

Pressure Media	: Non-condensing air or gas
Measuring range	: 600...1100 hPa or 800...1100 hPa or 500...1100 hPa
Resolution	: 0.1 hPa
Accuracy at 18...28°C	: +/- 0.2 hPa
Accuracy at 0...40°C	: +/- 0.5 hPa
Response Time	: < 2 s (standard), adjustable from 0.3...25.0 s
Proof Pressure	: 1500 hPa
Burst Pressure	: 2000 hPa
Long Term Stability	: 0.1 hPa / Year
Operating temperature	: 0 ... + 50°C
Storage temperature	: - 40... + 60°C
Mains appliance	: 90...265 VAC (output 11...28 VDC)
Optional supply voltage	: 12 V rechargeable accumulator
Dimension	: 124 mm x 86 mm x 118 mm (WxHxL)
Weight	: 1.0 kg

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