



Temperature sensor with interchangeable measuring insert

- ◆ For measuring and regulating temperature at any point where reliable, robust and accurate equipment is required
- ◆ Gaseous or liquid
- ◆ Up to 400°C media temperatures
- ◆ Pt100 resistance element
- ◆ Available with built-in transmitter
- ◆ Approvals: LR, GL, BV, DNV, class NK, KRS, RINA, ABS

Technical data

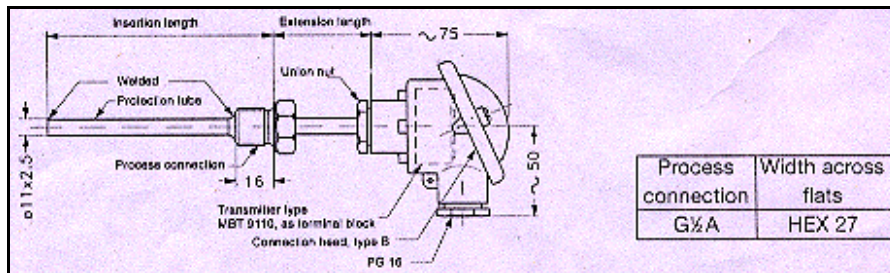
Measuring range: **-50°C to +200°C (400°C on request)**
 Ambient temperature: **Max. 85°C (depending on media temperature)**
 Enclosure: **IP65**
 Cable entry: **Pg16**
 Temperature transmitter: **MBT 9110: Supply voltage: 8 to 35 V d.c. Output: 4 to 20 mA.**
 Materials: **Process connection, Protection tube, Extension tube: AISI316 Ti
 Union nut: Nickel plated brass Connection head: Die cast aluminum**

Tolerance: **EN60751 Class B $\pm(0.3+0.005 \times t)$**
 Response times (t_{90}): **42 sec. (water at 0.2 m/s). With heat conductive compound, 041E0110: 14 secs.**
 For further details: **See Datasheet DKACT.PD.30.B or contact us.**

Ordering - Standard program, 1 X Pt100, extension length = 50 mm.

Insertion length (mm)	Electrical connection	Transmitter setting	Process connection			
			G $\frac{1}{2}$ A / 200°C		G $\frac{1}{2}$ A / 400°C	
			Weight	Code No.	Weight	Code No.
50	2-wire, 3 terminals	Sensors are without transmitter	0.43	084Z8210	0.48	084Z6272
100			0.46	084Z8211	0.51	084Z6273
150			0.49	084Z8212	0.54	084Z6274
200			0.52	084Z8213	0.57	084Z6275
50	4-20mA, 2-wire universal temperature transmitter	*0 to 100°C	0.42	084Z8214*	0.47	084Z6276**
100		** (0 to 400°C)	0.45	084Z8215*	0.50	084Z6277**
150			0.48	084Z8216*	0.53	084Z6278**
200			0.51	084Z8217*	0.56	084Z6279*

Dimensions



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