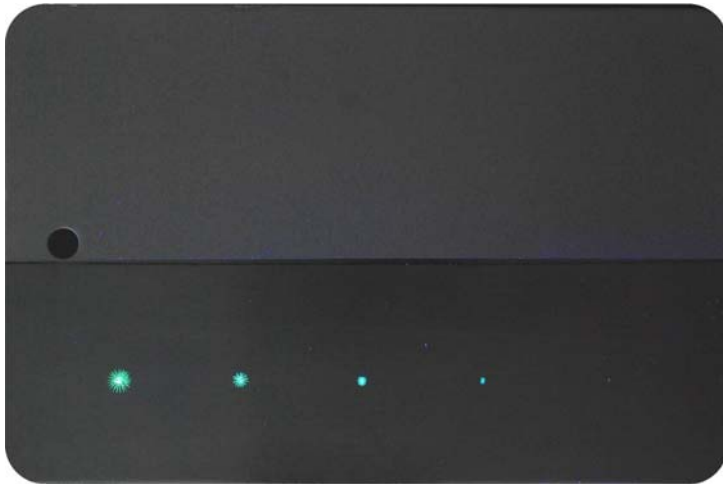


Test Panel Nr-5 acc. to TAM 146040

Surveillance of Penetrant Testing

Art. no. 127.800.010



Test panel NR-5 is manufactured in accordance with the specification Pratt-Whitney Aircraft Drawing Number **TAM 146040**. Therefore test panel Nr-5 is comparable with test panel PSM-5.

Furthermore, the following requirements are fulfilled:

- ASTM E1417 (§ 7.8.3.1)
- General Electric Specification P3TF2 (§ 5.4.1 and § 10.1)
- MIL-STD-6866 (§ 5.8.3, 33B-11)
- NAVAIR 01-1A-16
- TM43-0103

A rectangular stainless steel panel (153 x 102 mm and 4 x 6 inch, respectively) is coated at the lower side with chrome (s. Fig. above). Five star-shaped crack centres are inserted into this section. They are arranged according to their size. The largest can be detected already with penetrants of low sensitivity. The smallest can be detected only with a high sensitive penetrant.

The upper surface of the test panel was sandblasted and is of medium roughness. This part serves for controlling the degree of washability of penetrants.

Test panel Nr-5 as well as PSM-5 are not suitable for the performance of comparative tests with different testing processes.






Indication no.		1	2	3	4	5
						
Max. size of indication Ø [mm]	Nominal value	4.57 - 6.35	3.18 - 4.34	1.91 - 2.36	1.17 - 1.57	0.38 - 0.79
	Actual value ± 1%	4.98	3.56	2.04	1.54	0.64

Table 1: Results of measurement

Heidgraben, March 2015 - Subject to technical changes