

## 916

## OPTICAL TRANSMITTER EQUIPMENT 916-OT



RF-OF transceiver



OT-402

**Description**

Optical transmitter for analogue and digital TV signals, terrestrial and satellite. The equipment receives the TV signals in the terrestrial and satellite bands in IF via coaxial cable, and transmits them via single-mode optical fibre with a wavelength ( $\lambda$ ) of 1310 nm, by means of Class 1 laser.

**Applications**

Large-scale collective terrestrial and satellite TV installations in which, due to the topology of the installation, the distribution is not possible using coaxial cable. The optical modulation is easily adjustable with two independent controls of the OMI for terrestrial and satellite TV.

**Characteristics**

Modular equipment. Zamak chassis with metallic side panels. F-type connectors for the input of the TV signals in the terrestrial band and the satellite IF band. Female SC/APC connector for optical fibre.

**Accessories**

|         |         |                                                       |
|---------|---------|-------------------------------------------------------|
| 9160006 | OAT-106 | Optical attenuator, 6 dB SC/APC.                      |
| 9160010 | OPC-101 | Single-mode optical fibre patchcord, 1m, SC/APC.      |
| 9160011 | OPC-103 | Single-mode optical fibre patchcord, 3m, SC/APC.      |
| 9120039 | CM-004  | Male F type connector for Ø6.6 mm coaxial cable.      |
| 9080023 | MC-302  | Male F connector to screw onto RG-6 coaxial, Ø7.0 mm. |
| 9120011 | RS-275  | F load 75Ω.                                           |

| CODE                 |              | 9160000        |      |           |     |
|----------------------|--------------|----------------|------|-----------|-----|
| MODEL                |              | OT-402         |      |           |     |
| HF inputs            |              |                |      |           |     |
| Connection           |              | F female       |      |           |     |
| Frequency range      | Band         | TV             |      | SAT       |     |
|                      | MHz          | 46-862         |      | 950-2150  |     |
| Input level          | dB $\mu$ V   | 72..87         |      |           |     |
| Flatness             | dB           | $\pm$ 0,7      |      | $\pm$ 1,0 |     |
| Return loss          | dB           | >12            |      | >10       |     |
| Input impedance      | $\Omega$     | 75             |      |           |     |
| Test input           | dB $\pm$ TOL | 0 $\pm$ 1,0    |      |           |     |
| HF connectors        |              | 75             |      |           |     |
| Optical output       |              |                |      |           |     |
| Optical output power | mW           | 4 (6 dBm)      |      |           |     |
| Wavelength           | nm           | 1310           |      |           |     |
| Return loss          | dB           | >50            |      |           |     |
| Optical connector    |              | SC/APC 8°      |      |           |     |
| Power supply         | V $\pm$      | +3,3           | +5,2 | +12       | +24 |
|                      | mA           | 0              | 120  | 500       | 0   |
| Units per packing    |              | 1              |      |           |     |
| Packing weight       | Kg           | 1,4            |      |           |     |
| Packing dimensions   | mm           | 270 x 170 x 38 |      |           |     |