

A B S T R A C T.

Device for continuous measurement of the density and
total weight of material in the hold of a
5 hopper-dredger.

The installation comprises:
a metal duct (1), having a U-shaped cross-section, in which
is present a transmissive-type radioactive probe (14), which
comprises a source (60) and a detector (61) placed facing
10 each another, each in a branch of the U. The probe (14)
moves along a vertical path and conducts measurements on the
materials comprises between the branches of the U and
transmits data to a computer-aided management set (C) which
transforms the data into density measurements and which
15 controls the general functioning of the installation.

This Sheet Has Been Replaced

